

SANYO: DP42740-00 / 02 / 03

with PANASONIC 42" PLASMA PANEL (MD42H13NBE)

SYMPTOM: TV's GREEN POWER LED WILL NOT REMAIN ON

12/29/10

p#1

2010-8B

a) Unplug LVDS Cable (40 pin connector) from Main to Digital "D" Bd. (D5 connector) behind Main:

This will eliminate the Main Bd., and see if the SMPS will power ON automatically, and remain ON.

Plug the AC Cord to power (do not push the Pwr Key on the TV) and see if the SMPS will power ON.

If the SMPS powers ON and remains ON, then the Main Bd. should be tried. If the SMPS continues to shutdown then resistance checks (#1-#9) below should be done.

note: This panel has a self test mode, and unplugging the LVDS starts the self test. No raster is displayed, because a special jig is needed to activate the raster & video.

RESISTANCE CHECKS TO POSSIBLY ISOLATE DEFECTIVE PCB

- 1) Is pin #1 or #2 (55-60V) of (P35 connector) shorted to chassis Gnd?

yes, shorted = PDP Panel N/G

not shorted = go to step #2

- 2) Is Pin #5 (5V) of (P25 connector) shorted to chassis Gnd?

yes, shorted = go to step #3

not shorted = go to step #4

- 3) Disconnect (p25 connector)

Is Pin #5 (5V) of (P25 connector) shorted to chassis Gnd?

yes, shorted = SMPS N/G

not shorted = go to step #4

- 4) Disconnect (SN20 connector)

Is pin #30 (5V) of SN20 connector shorted to chassis Gnd?

yes, shorted = SN Bd N/G

not shorted = go to step #5

- 5) Disconnect (SS23 connector)

Is pin #1 (5V) of SS23 connector shorted to chassis Gnd?

yes, shorted = SS Bd N/G

not shorted = go to step #6

Location of connectors is on
page #2

Please re-install all PCB mounting screws whenever a board is changed, and before re-testing the TV. The ground screws are needed to prevent damage to the PCB.

After working on TV, if it has several horizontal lines or bars, please try reseating the flat ribbons going to the SN Bd.

note: The TV must be OFF to

re-seat these ribbons. The SN Bd.

will be damaged, if you try to

re-seat ribbons, with power applied.

Reconnect P25, SN20, & SS23 Connectors

- 6) Disconnect (SN2 connector)

Is TPVSUS (SN2, pin #1, 191V) on SN Bd. shorted to chassis Gnd?

yes, shorted = SN Bd. N/G

not shorted = go to step #7

- 7) Reconnect SN2 and disconnect (SS11 connector)

Is TPVSUS (SS11, pin #1, 191V) on SS Bd. shorted to chassis Gnd?

yes, shorted = SS Bd. N/G

not shorted = Power ON TV, and check TPVSUS (SN2, pin #1) for 191V before shutdown

If no output, = SMPS N/G

If 191V OK is before shutdown, SN Bd. may be defective (can not be sure)

Reconnect SS11 Connector

- 8) Is TPSN1 (14V) shorted to chassis Gnd?

yes, shorted = SN Bd. N/G

not shorted = go to step #9

- 9) Measure resistance across C909 & C959 (146V across cap.) on SN Bd..

If resistance is only a few ohms across either capacitor, the SN BD. is defective.

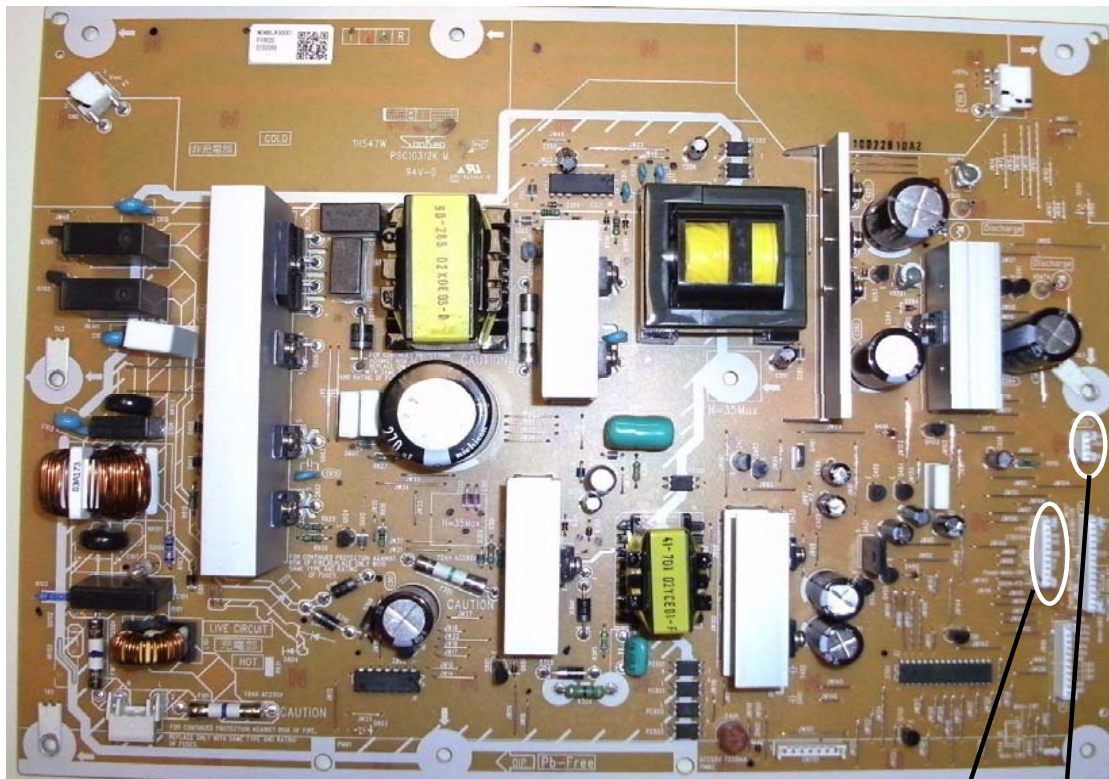
If you can not find anything wrong and you suspect the panel is shorted, you can unplug the eight flat ribbons from the panel to the Scan Drive (SN) Bd. and see if the SMPS will remain ON. You can also do this with the Sustain Drive (SS) Bd.. If all PCBs and other connections are OK, the SMPS will power ON and have all voltages with these ribbons unplugged. If the SMPS should remain ON with the ribbons unplugged, you should re-connect them (with power off) and then verify that the SMPS still shuts down when they are connected.

note: The SMPS will remain ON, if one or more of the flat ribbons from the panel to the SN or SS Bds. are unplugged, if the PCBs and other connections are OK. (special note: If you work on a Panasonic 50" Plasma, the flat ribbons to the SS Bd. can not be unplugged. Unplugging the flat ribbon/s to a 50" SS Bd. will cause it to shut down.

SN Bd.

SMPS

SS Bd.



C909

C959

SN2

SN20

P25

P35

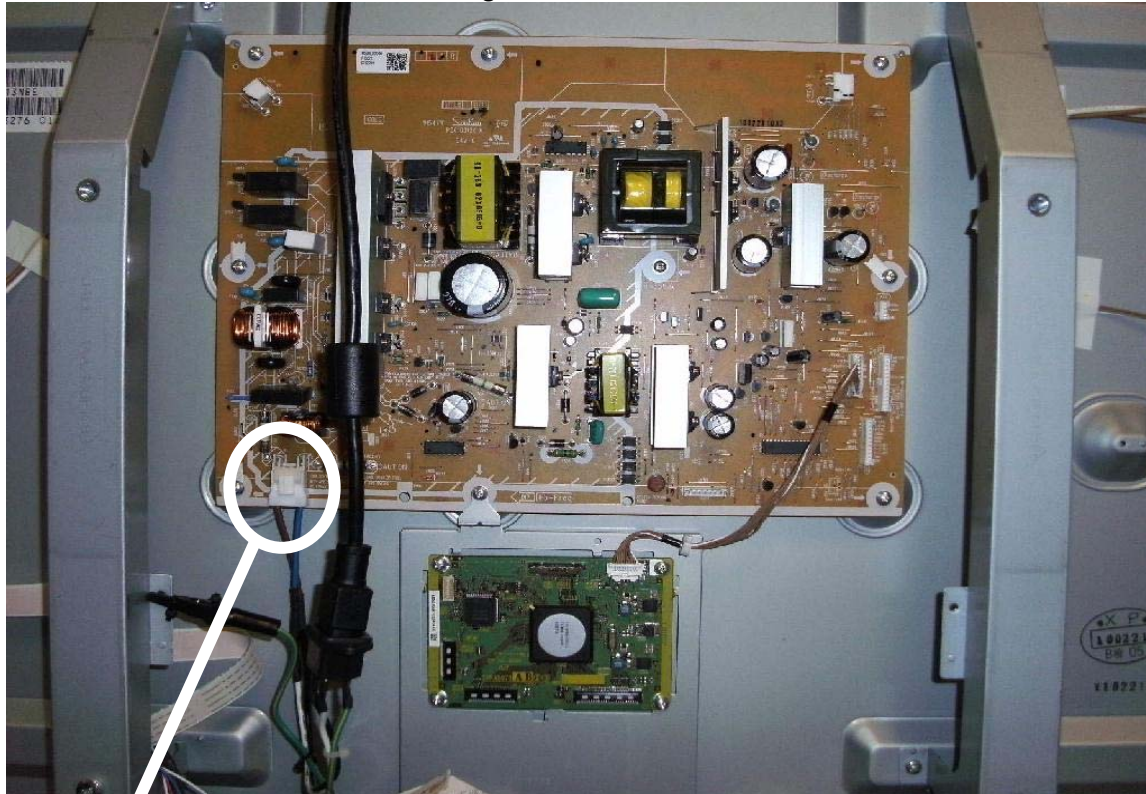
SS11

SS23

IF YOU BELIEVE THE SMPS IS DEFECTIVE

The SMPS can be checked, but all cables & flat ribbons from the SMPS & Digital Processor PCB must be unplugged. The only exception is the cable from D25 (D Bd.) to P25 (SMPS) must be connected. With everything disconnected except this one cable, and when power is applied to the SMPS, the SMPS should turn ON.

If the SMPS is working OK, please reconnect all connectors to the SMPS & Digital Processor. If one of the other PCBs is defective, it is possible to damage the SMPS, w/o the flat ribbons connected to the Digital Processor.

SMPS & Digital Processor

Apply power to the SMPS.



No cables attached to SMPS or Digital Bd., except cable from D25 to P25.

These voltages should be present:

Connector:

P2	p1	191.2
	p2	

P7	p1	5.0
	p2	

P25	p1	15.7
	p2	15.7

P6	p1	15.7
	p2	15.7
	p3	
	p4	
	p5	
	p6	
	p7	
	p8	
	p9	
	p10	
	p11	

P7	p1	5.0
	p2	
	p3	
	p4	
	p5	
	p6	
	p7	
	p8	
	p9	
	p10	
	p11	

P25	p1	15.7
	p2	15.7
	p3	
	p4	
	p5	5.0
	p6	
	p7	
	p8	
	p9	3.0
	p10	

P11	p1	191.2
	p2	
	p3	15.7

P35	p1	55.4
	p2	55.4
	p3	
	p4	



FILE NO.

SERVICE MANUAL

Remote Control Digital Color Television

DP42740 (U.S.A.)
(CANADA)
ORIGINAL VERSION



Chassis No. P42740-01

NOTE: Match the Chassis No. on the unit's back cover with the Chassis No. in the Service Manual.

If the Original Version Service Manual Chassis No. does not match the unit's, additional Service Literature is required. You **must** refer to "Notices" to the Original Service Manual prior to servicing the unit.

Servicing should be performed by only trained and qualified service personnel.

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Specifications

POWER RATING	120VAC 219 W (AVG.)
ANTENNA INPUT IMPEDANCE	75Ω UHF/VHF/CATV DIGITAL
RECEIVING CHANNEL	2 - 13 (VHF), 14 - 69 (UHF), 01, 14-94, 95-135 (CATV) 1-135 (DIGITAL)
REMOTE READY	36 KEY REMOTE CONTROL
SOUND OUTPUT	10.0 W/CH
INTERMEDIATE FREQUENCY	
PICTURE IF CARRIER	45.75MHz
SOUND IF CARRIER	41.25MHz
COLOR SUB CARRIER	42.17MHz
CABINET DIMENSIONS	
WIDTH	1055mm
HEIGHT	723mm
DEPTH INCLUDING BASE	246mm

SAFETY INSTRUCTIONS

SAFETY PRECAUTIONS

WARNING: The chassis of this receiver has a floating ground with the potential of one half the AC line voltage in respect to earth ground. Service should not be attempted by anyone not familiar with the precautions necessary when working on this type of equipment.

The following precautions must be observed:

1. An isolation transformer must be connected in the power line between the receiver and the AC line before any service is performed on the receiver.
2. Comply with all caution and safety-related notes provided inside the cabinet, on the chassis, and on the back.
3. When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as control knobs, adjustment covers, shields and barriers.
4. Before replacing the back cover of the set, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside.

Before returning any television to the customer, the service technician must perform the following safety checks to be sure that the unit is completely safe to operate without danger of electrical shock.

ANTENNA COLD CHECK

Remove AC plug from the 120 VAC outlet and place a jumper across the two blades. Connect one lead of an ohmmeter to the jumpered AC plug, and touch the other lead to each exposed antenna terminal (UHF and VHF antenna terminals). The resistance must measure between 1M ohm and 5.2M ohm. Any resistance value below or above this range indicates an abnormality which requires corrective action.

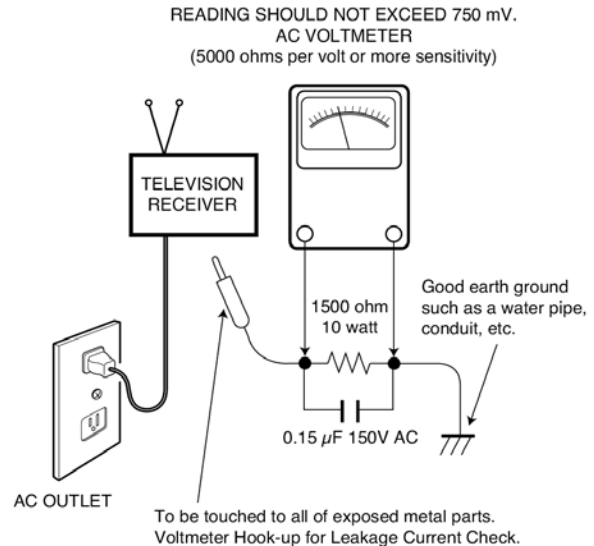
LEAKAGE CURRENT CHECK

Plug the AC line cord directly into a 120 VAC outlet. (Do not use an isolation transformer for this check.) Use an AC voltmeter, that has 5000 ohms per volt or more sensitivity. Connect a 1500 ohm 10 watt resistor, paralleled by a 0.15 μ F 150 VAC capacitor, between a known good earth ground (water pipe, conduit, etc.) and all exposed metal parts of the cabinet (antennas, handle bracket, metal cabinet, screw heads, metal overlays, control shafts, etc.). Measure the AC voltage across the 1500 ohm resistor. The AC voltage should not exceed 750 mV. A reading exceeding 750 mV indicates that a dangerous potential exists. The fault must be located and corrected. Repeat the above test with the receiver power plug reversed.

NEVER RETURN A RECEIVER TO THE CUSTOMER WITHOUT TAKING THE NECESSARY CORRECTIVE ACTION.

PRODUCT SAFETY NOTICE

When replacing components in a receiver, always keep in mind the necessary product safety precautions. Pay special attention to the replacement of components marked with a ⚠ in the parts list and in the schematic diagrams. To ensure safe product operation, it is necessary to replace those components with the exact same PARTS.



SERVICING ELECTROSTATICALLY SENSITIVE DEVICES

Semiconductors (solid-state devices) that can be damaged by static electricity are referred to as Electrostatically Sensitive (ES) devices. Examples of typical ES devices are: Integrated Circuits (IC), Field-Effect Transistors (FET), and "chip" components. The following techniques should be observed strictly, to reduce the occurrence of semiconductor damage due to electrostatic discharge.

1. Immediately prior to handling any semiconductor component or an assembly containing a semiconductor device or devices, discharge the electrostatic buildup on your body by touching a known earth ground. You may also obtain and wear a commercially available discharging wrist strap device.

CAUTION: Be sure to remove the wrist strap before applying power to any unit being serviced.

2. After removing an ES equipped assembly, place it on a conductive surface, such as, aluminum foil, to prevent buildup or exposure to static electricity.
3. Use only grounded-tip soldering irons to solder or unsolder ES devices.
4. Use only anti-static solder removal devices. Some suction-type devices can generate static electricity adequate to damage ES devices.
5. A replacement ES device will come packaged in protective material (conductive foam, aluminum foil, or some comparable conductive material). Do Not remove an ES device from its protective packaging unless you are prepared to install it immediately.
6. Precisely prior to removing an ES device from its protective packaging, touch the protective packaging to the chassis or assembly in which the device will be installed.

CAUTION: Be sure that no power is applied to the chassis or circuit assembly.

7. Incidental body movements, such as, lifting a foot from a carpeted floor or the rubbing of fabric together can generate static electricity sufficient to damage ES devices. Therefore, minimize all body movements while handling exposed (unpacked) ES devices.

SERVICE ADJUSTMENTS

GENERAL

This set has an On-screen Service Menu system included in the CPU that allows remote operation for most of the service adjustments.

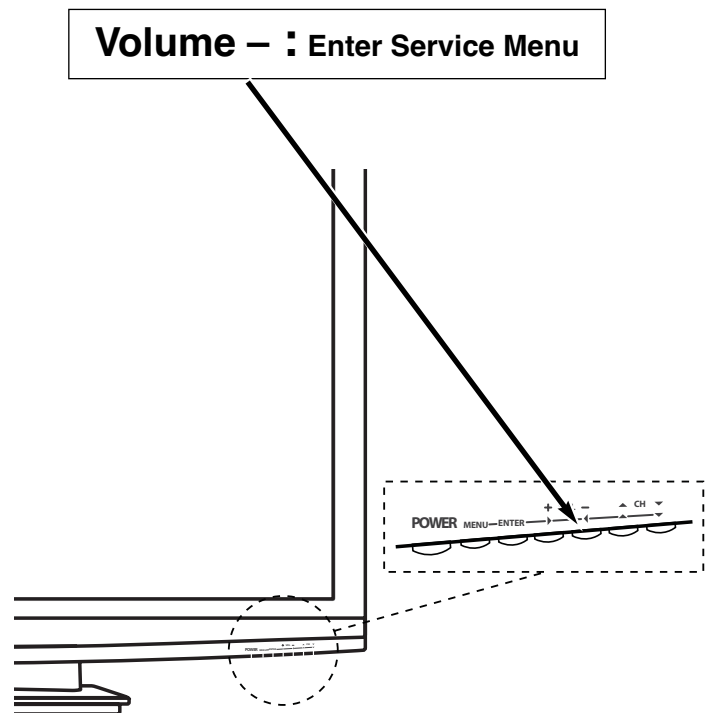
ON-SCREEN SERVICE MENU SYSTEM

1. Enter the Service Menu:

- Turn off the receiver and disconnect the AC power supply.
- While pressing the Volume (≡) button on the television, reconnect the AC power supply. The Service Menu will now appear. The remote can now be used to make adjustments. See Figure 1 below.

ITEM NO.	TITLE	HEX DATA			
Index	ParameterName	Value	Def.	MIN	MAX
1	FACTORY_VOL	0x21	48	0	255

Figure 1. Service Menu Display

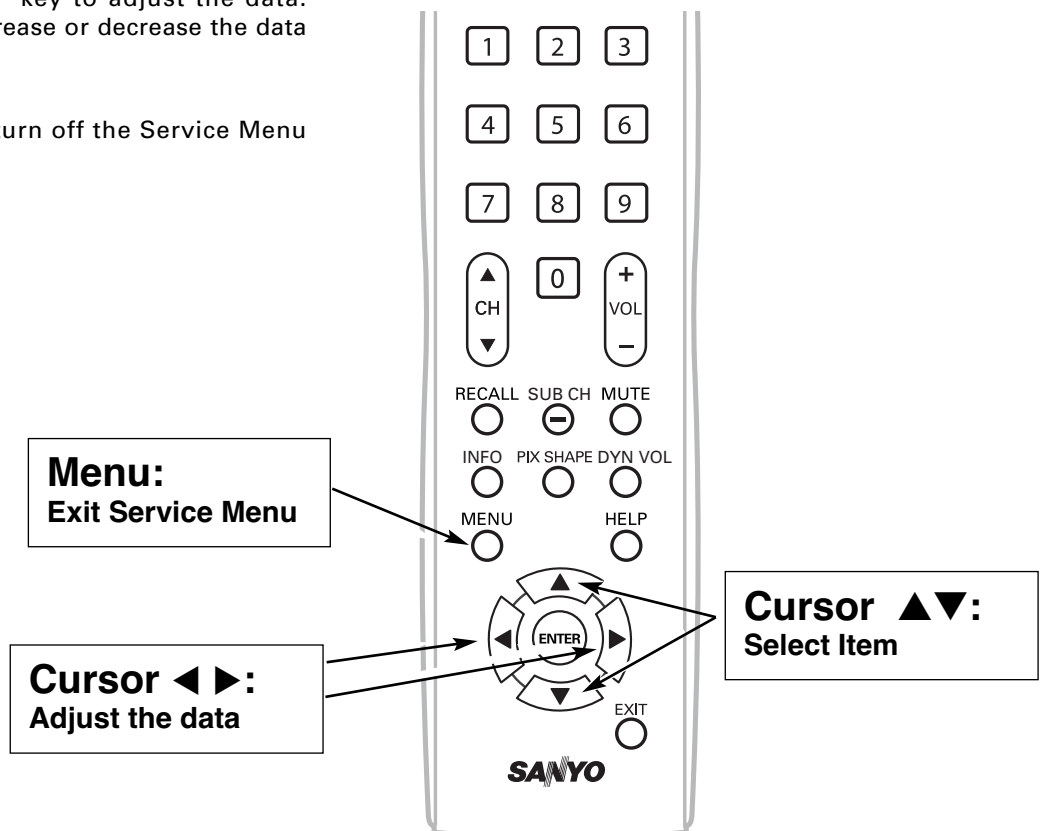


2. Service Adjustments:

- Press the Cursor ▲ and ▼ key to select the desired service menu item you want to adjust. See page 4 for the On-screen Service Menu.
- Use the Cursor ◀ or ▶ key to adjust the data. The ◀ or ▶ key will increase or decrease the data sequentially.

3. Exit from the Service Menu:

- Press the **MENU** key to turn off the Service Menu display.



ON-SCREEN SERVICE MENU

Table 1. ON-SCREEN SERVICE MENU

When IC5750 (Flash Memory) is replaced, check the bus data to confirm they are the same as below. See page 3 for On-Screen Service Menu access and adjustments.

No.	Title	Initial Data	Note
1A0	MUTE	A0h	Audio mute at Power ON
086	VOL	30h	Volume setup inspection
087	OP1	00h	Option 1 Data (HDMI)
088	OP2	19h	Option 2 Data (Display Panel)
101	1R00	00h	ROM Correction Data
102	1R01	00h	ROM Correction Data
↓	↓	↓	↓
197	2R47	00h	ROM Correction Data
198	2R48	00h	ROM Correction Data

- All data except in gray box area is fixed. Do not change for correct operating.
- Data in gray box is initial and can be set according to adjustment information.

PROGRAM CODES

The microprocessor used in this model is a multi-purpose type and is used in several different models. To ensure proper operation and the correct features for your particular model, the program codes must be correct.

Note 1. Option Data 1 (NO. 087 OP1) should be hexadecimal 00. See 087 above. If this program code is wrong the TV will not operate properly.

Note 2. Option Data 2 (NO. 088 OP2) should be hexadecimal 19. See 088 above. If this program code is wrong the TV will not operate properly.

POWER FAILURE CIRCUIT

Internal sub_CPU on main IC 5500 is programmed so the set will go to standby mode when there is circuit failure as described below. (Refer to "Block Diagram Power Lines".)

This unit is equipped with a Power Failure Detector function included in the sub_CPU which checks for an abnormal condition in the chassis power supplies.

If, while the power is on, a failure is caused by any of the following that results in a low voltage supply, the sub_CPU will turn the unit off in 1.5 seconds to prevent further damage:

- Failure within the power supply circuits.
- A short circuit in the load side from the supply.

Power Failure: Detected voltage failure for circuit.
(Connected to IC5500 pin D9, through RB5501.)

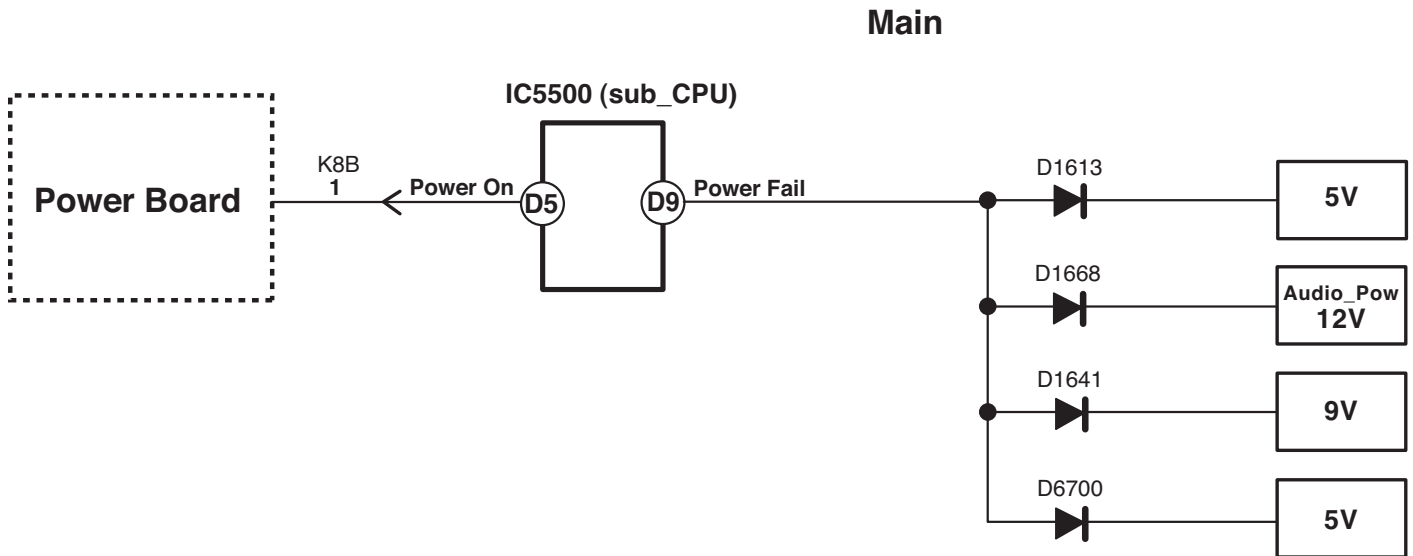
(Normal: High; Failure: Low)

If, while the power is off, the power is switched on and any of these failures remains uncorrected, the sub_CPU will shut off the power within three seconds.

Check the following if the unit is turned off by the power failure detector.

1. Disconnect the AC power cord (120V AC line) for a short time.
2. Connect a DC Voltmeter to the circuits shown below.
3. Press the Power key and check for the proper voltage supplies.
4. If any of these voltages is low, the power failure detector should turn the unit off within three seconds.
5. Check all circuits shown below.

Note: If power failure is detected 3 times in 15 minutes, the set will enter the standby mode and cannot be switched On. To reset the operating programs of the sub_CPU it is necessary to disconnect the AC cord for a short time.



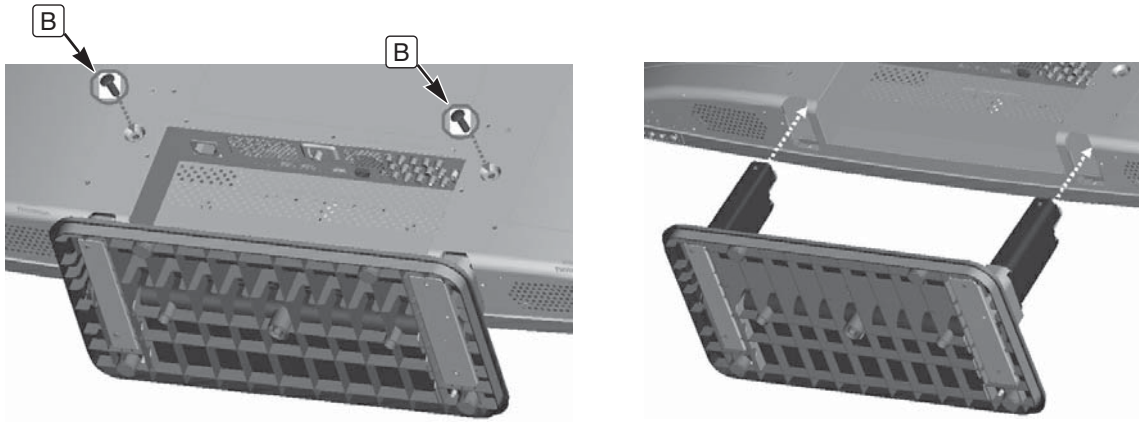
MECHANICAL DISASSEMBLY

CAUTION:

This PDP TV uses several different kinds of screws. Using the correct screw is necessary to prevent damage. Lead wires must be redressed to their previous locations after servicing. The Earth sheet and gasket are provided to prevent interference to other radio and television receivers. The Earth sheet and gasket should be returned to its previous position after servicing.

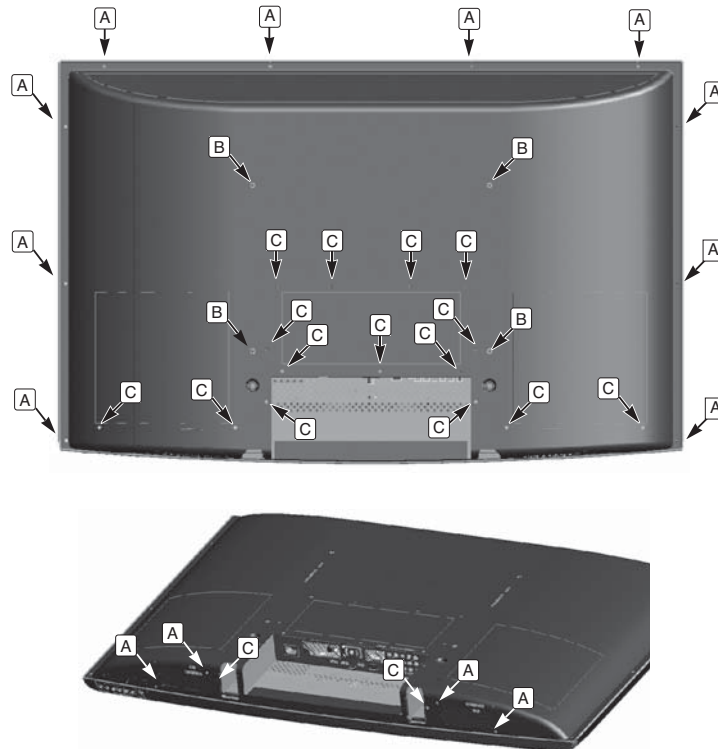
STAND REMOVAL

Position TV face down on a padded or cushioned surface to protect the screen and finish. Remove 2 screws (B:6X12) and lift up TV from the stand.



BACK CABINET REMOVAL

Remove 35 screws to take the back cabinet off.
(A:4x12, 14 pcs.; B:6x12, 4 pcs.; C:4x8, 17 pcs.)



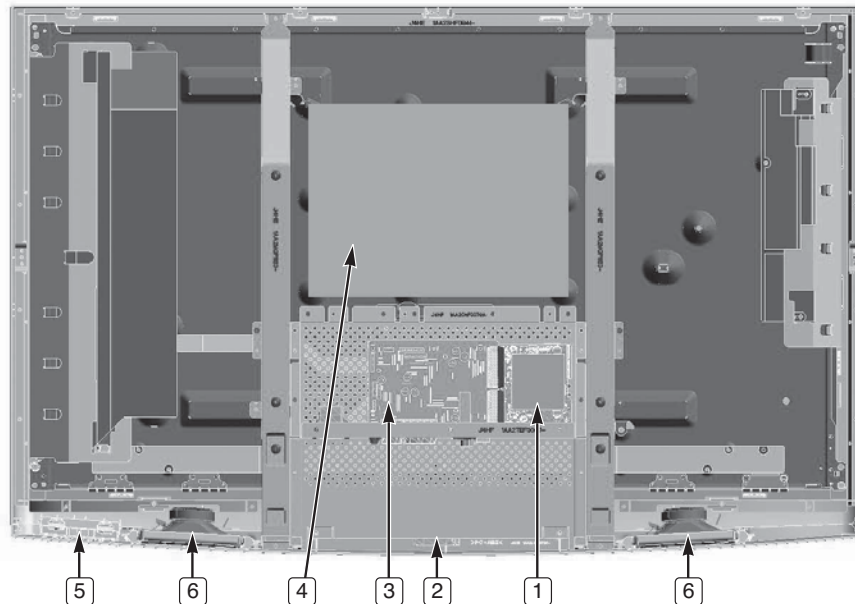
MECHANICAL DISASSEMBLY (Continued)



ELECTROSTATICALLY SENSITIVE DEVICES

Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.

BOARD LOCATIONS



1: Main (Digital) Board

2: RC LED Board

3: Analog Board

3: Power Unit

4: KEY SW Board

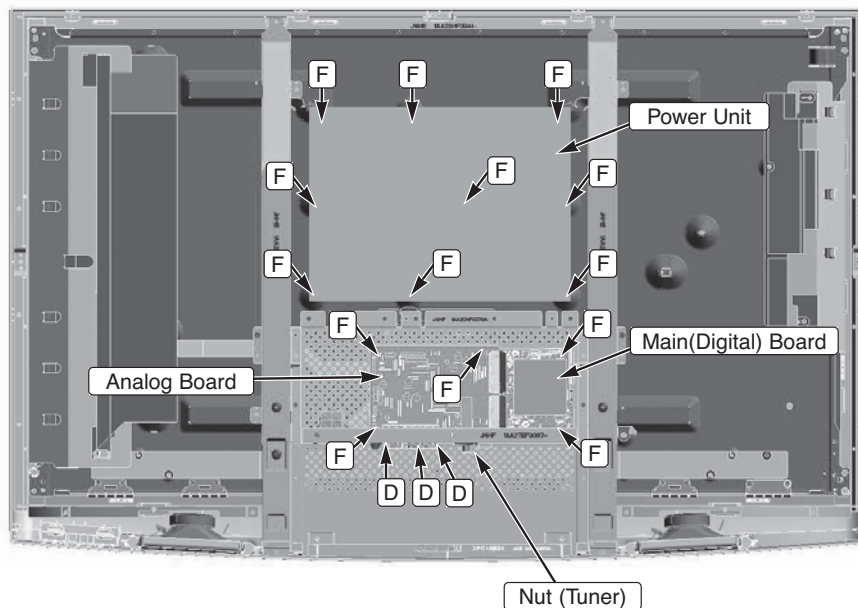
6: Speakers

MAIN BOARD REMOVAL

Remove 8 screws (D: 3X10, 3pcs; F:3X6, 5pcs) and 1 Nut (Tuner) to take analog board and the Main (digital) Board off.

POWER UNIT REMOVAL

Remove 9 screws (F:3x6) to take the power unit off.



MECHANICAL DISASSEMBLY (Continued)

FILTER GLASS REMOVAL

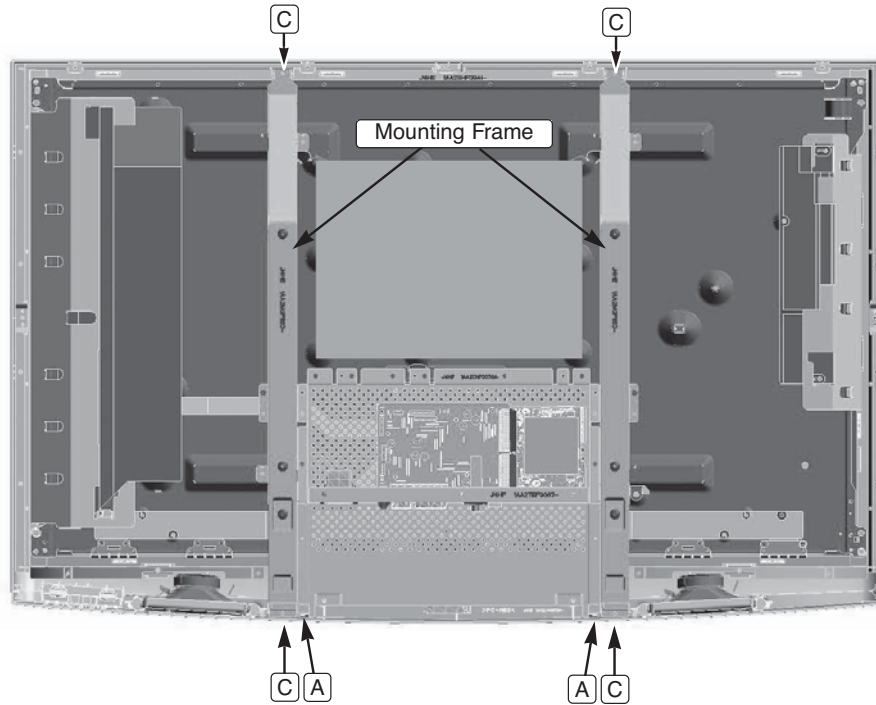
1. Take the connectors from below lead wire off.

Control Board ~ Analog Board: **K8CTRA**

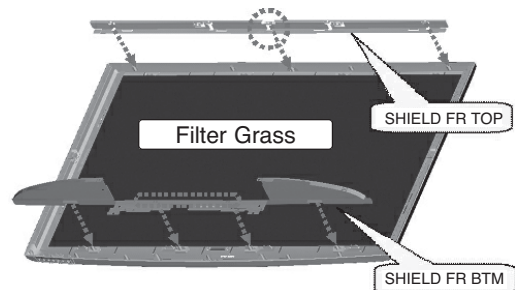
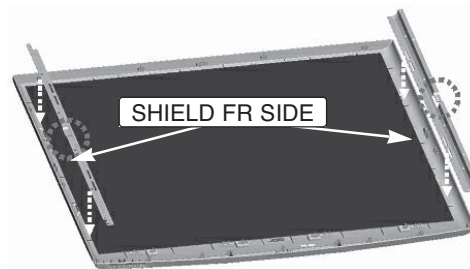
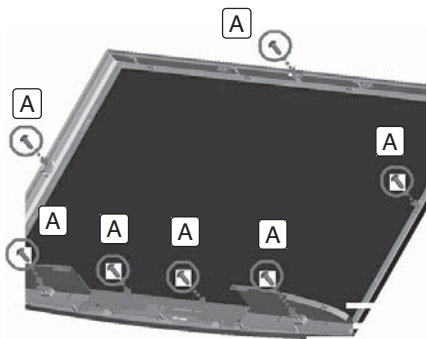
RC LED Board ~ Analog Board: **K8FRA**

Speakers ~ Analog Board: **KSP**

2. Remove 6 screws (A:4x12, 2 pcs; C:4x8, 4 pcs) to take the panel module and panel holders (Mounting Frames) with boards off.



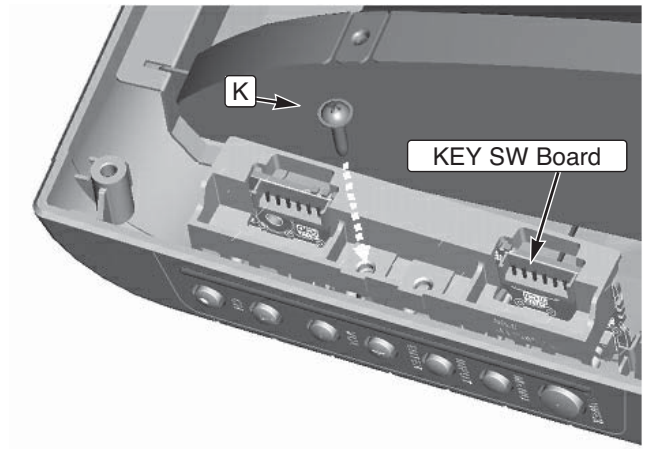
3. Remove 7 screws (A:4x12) to take the shield front (4 pcs) and the filter glass off.



MECHANICAL DISASSEMBLY (Continued)

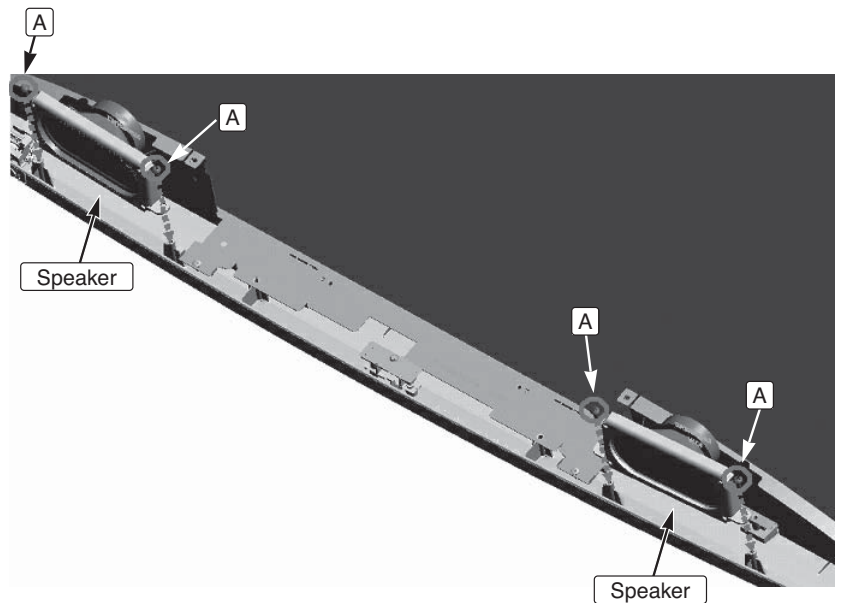
KEY SW BOARD REMOVAL

Remove 1 screw (K:3x14) to take the key sw board off.



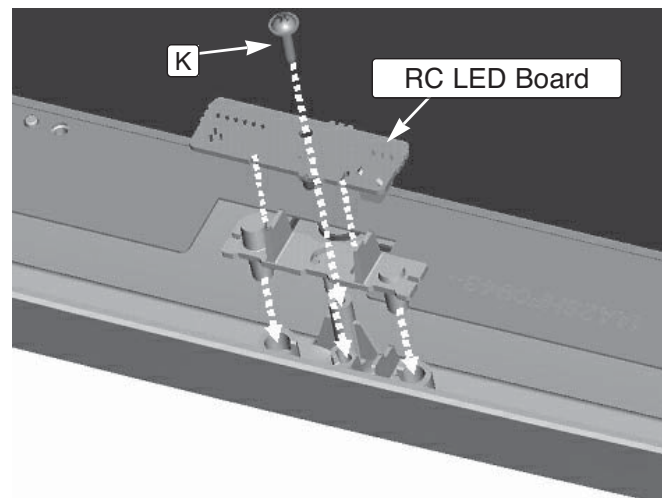
SPEAKER REMOVAL

Remove 4 screws (A:4x12) to take off both speakers.



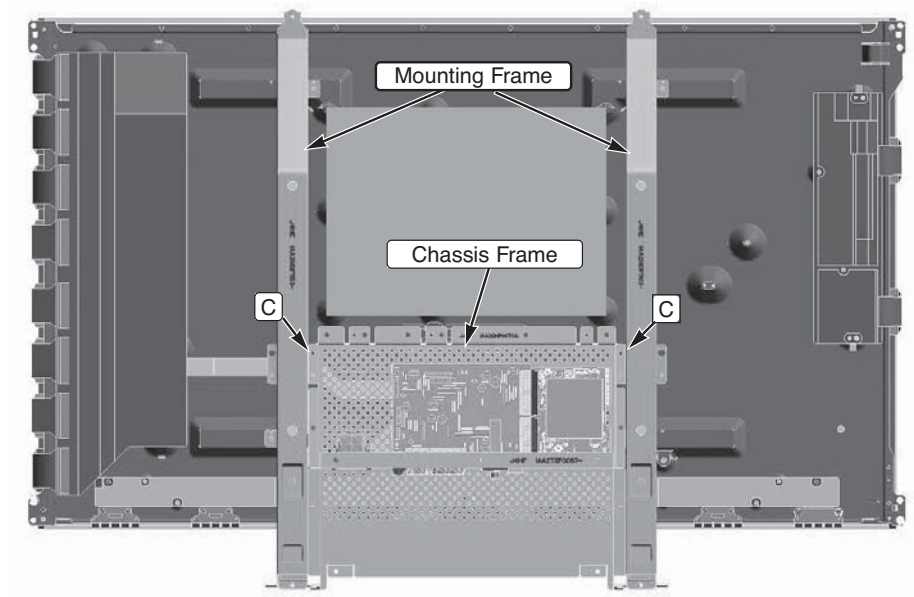
RC LED BOARD REMOVAL

Remove 1 screw (K:3x14) to take the RC Led board off.

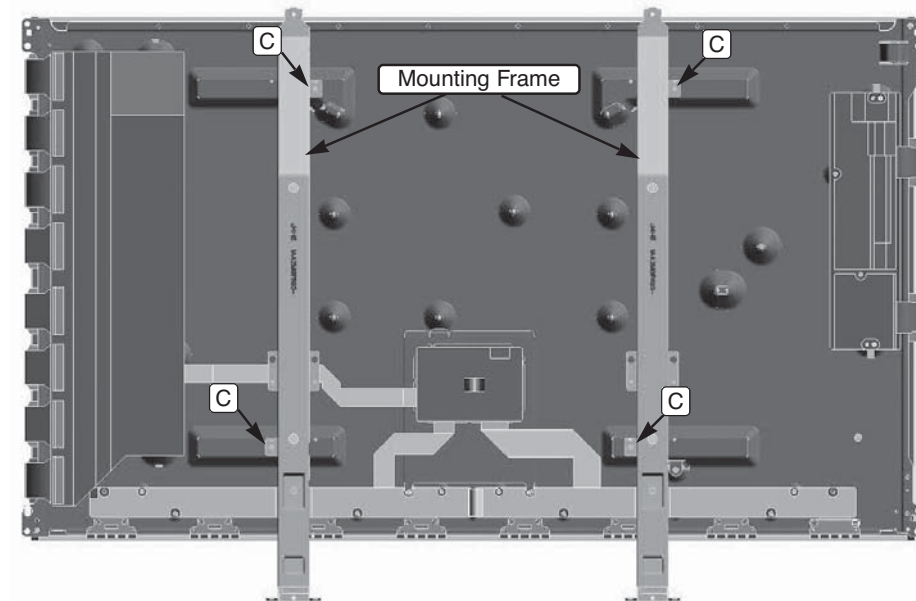


PANEL MODULE REMOVAL

1. Remove the 2 screws (C:4x8) from the Mounting Frames to take the Chassis Frame off.



2. Remove the 4 screws (C:4x8) from the Mounting Frames to take the panel module off.



CAUTION:

This PDP TV uses several different kinds of screws. Using the correct screw is necessary to prevent damage. Lead wires must be redressed to their previous locations after servicing. The Earth sheet and gasket are provided to prevent interference to other radio and television receivers. The Earth sheet and gasket should be returned to its previous position after servicing.

CHASSIS ELECTRICAL PARTS LIST

CAUTION: To Protect against electrical shock and for continued product safety, refer to SAFETY PRECAUTIONS and PRODUCT SAFETY NOTICE on Page 2.

PRODUCT SAFETY NOTICE

PRODUCT SAFETY SHOULD BE CONSIDERED WHEN A REPLACEMENT IS MADE IN ANY AREA OF A RECEIVER. COMPONENTS INDICATED BY A Δ IN THIS PARTS LIST AND THE SCHEMATIC DIAGRAM DESIGNATE COMPONENTS IN WHICH SAFETY CAN BE OF SPECIAL SIGNIFICANCE. IT IS PARTICULARLY RECOMMENDED THAT ONLY PARTS DESIGNATED ON THE FOLLOWING PARTS LIST BE USED FOR COMPONENT REPLACEMENT DESIGNATED BY A Δ . NO DEVIATIONS FROM RESISTANCE, WATTAGE, AND VOLTAGE RATINGS MAY BE MADE FOR REPLACEMENT ITEMS DESIGNATED BY A Δ .

Note: Schematic part location numbers may not always match with the part descriptions.
The part descriptions are correct and should be used.

Schematic Location	Part No.	Description
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CAPACITORS

NOTES:

Read description of the Capacitor as follows:

(Example)

CERAMIC 100P K 50V

Rated Voltage

Tolerance Symbols:
Less than 10pF

A: Not specified B: $\pm 0.1\text{pF}$ C: $\pm 0.25\text{pF}$
D: $\pm 0.5\text{pF}$ E: $\pm 0.1\text{pF}$ F: $\pm 1\text{pF}$
G: $\pm 2\text{pF}$ H: $\pm 0.1 - 0\text{pF}$ L: $\pm 0 - 0.1\text{pF}$
R: $\pm 0.25 - 0\text{pF}$ S: $\pm 0 - 0.25\text{pF}$

More than 10pF

A: Not specified B: $\pm 0.1\%$ C: $\pm 0.25\%$
D: $\pm 0.5\%$ F: $\pm 1\%$ G: $\pm 2\%$
H: $\pm 3\%$ J: $\pm 5\%$ K: $\pm 10\%$
L: $\pm 15\%$ M: $\pm 20\%$ N: $\pm 30\%$
P: $\pm 100-0\%$ Q: $\pm 30-10\%$ T: $\pm 50-10\%$
U: $\pm 75-10\%$ V: $\pm 20-10\%$ W: $\pm 100-10\%$
X: $\pm 40-20\%$ Y: $\pm 150-10\%$ Z: $\pm 80-20\%$

Rated value: P=pico farad, U=micro farad

Material:

CERAMIC..... Ceramic
MT-PAPER..... Metallized Paper
POLYESTER..... Polyester
MT-POLYEST..... Metallized Polyester
POLYPRO..... Polypropylene
MT-POLYPRO..... Metallized Polypropylene
COMPO FILM..... Composite Film
MT-COMPO..... Metallized Composite
STYRENE..... Styrene
TA-SOLID..... Tantalum Solid
AL-SOLID..... Aluminium Solid
ELECT..... Electrolytic
NP-ELECT..... Non-polarised Electrolytic
OS-SOLID..... Aluminium Solid with Organic
Semi-conductive Electrolytic

Schematic Location	Part No.	Description
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RESISTORS

NOTES:

Read description of the Resistor as follows:

(Example)

CARBON 4.7K J A 1/4W

Rated Wattage

Performance Symbols:

A...General B...Non-flammable
Z...Low noise
Other... Temperature coefficient

Tolerance Symbols:

A...0.05% B...0.1% C...25%
D...0.5% F...1% G...2%
J...5% K...10% M...20%
P...+5 -15%

Rated Value, ohms:

K...1,000 M...1,000,000

Material:

CARBON Carbon
MT-FILM Metal Film
OXIDE-MT Oxide Metal Film
SOLID Composition
MT-GLAZE Metal Glaze
WIRE WOUND Wire Wound
CERAMIC RES Ceramic
FUSIBLE RES Fusible

Schematic Location	Part No.	Description
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ASSY, PWB, DIGITAL PARTS LIST

CAPACITORS

C001	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C003	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C004	CK1E105KGABNG	CERAMIC	1U K	25V
C005	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C006	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C007	CK0J106KGABNG	CERAMIC	10U K	6.3V
C007	CK0J106KMBBNG	CERAMIC	10U K	6.3V
C008	CK1H104KGQBNBNG	CERAMIC	0.1U K	50V
C009	CK1H104KGQBNBNG	CERAMIC	0.1U K	50V
C010	CK0J106KGABNG	CERAMIC	10U K	6.3V
	CK0J106KMBBNG	CERAMIC	10U K	6.3V
C011	CK0J106KGABNG	CERAMIC	10U K	6.3V
	CK0J106KMBBNG	CERAMIC	10U K	6.3V
C012	CK1E474KGQBNBNG	CERAMIC	0.47U K	25V
C013	CK1E474KGQBNBNG	CERAMIC	0.47U K	25V
C015	CK1H104KGQBNBNG	CERAMIC	0.1U K	50V
C017	CK1H104KGQBNBNG	CERAMIC	0.1U K	50V
C018	CK1E474KGQBNBNG	CERAMIC	0.47U K	25V
C019	CK1E474KGQBNBNG	CERAMIC	0.47U K	25V
C020	CK0J106KGABNG	CERAMIC	10U K	6.3V
	CK0J106KMBBNG	CERAMIC	10U K	6.3V
C021	CK0J106KGABNG	CERAMIC	10U K	6.3V
	CK0J106KMBBNG	CERAMIC	10U K	6.3V
C023	CK0J106KGABNG	CERAMIC	10U K	6.3V
	CK0J106KMBBNG	CERAMIC	10U K	6.3V
C024	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C025	CK0J106KGABNG	CERAMIC	10U K	6.3V
C025	CK0J106KMBBNG	CERAMIC	10U K	6.3V
C027	CK1E105KGABNG	CERAMIC	1U K	25V
C5505	CK0J106KGABNG	CERAMIC	10U K	6.3V
	CK0J106KMBBNG	CERAMIC	10U K	6.3V
C5506	CK1H103KMNBNG	CERAMIC	0.01U K	50V
C5507	CK0J475KGQBNBNG	CERAMIC	4.7U K	6.3V
C5508	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C5509	CK0J106KGABNG	CERAMIC	10U K	6.3V
	CK0J106KMBBNG	CERAMIC	10U K	6.3V
C5510	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C5511	CK1H102KMNBNG	CERAMIC	1000P K	50V
C5512	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C5513	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C5514	CK1H102KMNBNG	CERAMIC	1000P K	50V
C5515	CK1H102KMNBNG	CERAMIC	1000P K	50V
C5516	CK1H103KMNBNG	CERAMIC	0.01U K	50V
C5517	CK1H221JMNBNBNG	CERAMIC	220P J	50V
C5518	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C5519	CK1H103KMNBNG	CERAMIC	0.01U K	50V
C5520	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C5522	CC1H390JMNCNG	CERAMIC	39P J	50V
C5523	CK0J106KGABNG	CERAMIC	10U K	6.3V
	CK0J106KMBBNG	CERAMIC	10U K	6.3V
C5525	CK1H221JMNBNBNG	CERAMIC	220P J	50V

Schematic Location	Part No.	Description
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C5527	CK1H103KMNBNG	CERAMIC	0.01U K	50V
C5528	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C5531	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C5532	CK0J106KGABNG	CERAMIC	10U K	6.3V
	CK0J106KMBBNG	CERAMIC	10U K	6.3V
C5533	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C5534	CK1H103KMNBNG	CERAMIC	0.01U K	50V
C5535	CK1H102KMNBNG	CERAMIC	1000P K	50V
C5536	CK1H221JMNBNBNG	CERAMIC	220P J	50V
C5537	CK0J106KGABNG	CERAMIC	10U K	6.3V
	CK0J106KMBBNG	CERAMIC	10U K	6.3V
C5538	CK1H102KMNBNG	CERAMIC	1000P K	50V
C5539	CK1H103KMNBNG	CERAMIC	0.01U K	50V
C5540	CK1H102KMNBNG	CERAMIC	1000P K	50V
C5541	CK1H103KMNBNG	CERAMIC	0.01U K	50V
C5542	CK0J106KGABNG	CERAMIC	10U K	6.3V
C5542	CK0J106KMBBNG	CERAMIC	10U K	6.3V
C5543	CK1H103KMNBNG	CERAMIC	0.01U K	50V
C5544	CK1A105KMNBNG	CERAMIC	1U K	10V
C5546	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C5547	CK1H392KMNBNG	CERAMIC	3900P K	50V
C5549	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C5550	CK1H103KMNBNG	CERAMIC	0.01U K	50V
C5551	CK1H102KMNBNG	CERAMIC	1000P K	50V
C5552	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C5553	CK1H103KMNBNG	CERAMIC	0.01U K	50V
C5554	CK0J106KGABNG	CERAMIC	10U K	6.3V
C5554	CK0J106KMBBNG	CERAMIC	10U K	6.3V
C5555	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C5556	CK0J106KGABNG	CERAMIC	10U K	6.3V
	CK0J106KMBBNG	CERAMIC	10U K	6.3V
C5557	CK1A105KMNBNG	CERAMIC	1U K	10V
C5558	CK1H102KMNBNG	CERAMIC	1000P K	50V
C5559	CK1H102KMNBNG	CERAMIC	1000P K	50V
C5560	CK1A105KMNBNG	CERAMIC	1U K	10V
C5561	CK1H102KMNBNG	CERAMIC	1000P K	50V
C5562	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C5563	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C5565	CK0J106KGABNG	CERAMIC	10U K	6.3V
	CK0J106KMBBNG	CERAMIC	10U K	6.3V
C5566	CK1A105KMNBNG	CERAMIC	1U K	10V
C5567	CK0J475KGQBNBNG	CERAMIC	4.7U K	6.3V
C5568	CK1H102KMNBNG	CERAMIC	1000P K	50V
C5569	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C5570	CK0J106KGABNG	CERAMIC	10U K	6.3V
	CK0J106KMBBNG	CERAMIC	10U K	6.3V
C5571	CK1C104KMNBNG	CERAMIC	0.1U K	16V
C5572	CK1A105KMNBNG	CERAMIC	1U K	10V
C5574	CK1A105KMNBNG	CERAMIC	1U K	10V
C5575	CK1A105KMNBNG	CERAMIC	1U K	10V
C5576	CK1A105KMNBNG	CERAMIC	1U K	10V
C5577	CK1A105KMNBNG	CERAMIC	1U K	10V
C5578	CK1A105KMNBNG	CERAMIC	1U K	10V
C5579	CK1A105KMNBNG	CERAMIC	1U K	10V

Schematic Location	Part No.	Description	Schematic Location	Part No.	Description
C5580	CK1A105KMNBNG	CERAMIC 1U K 10V	C6256	CK0J475KGQBNG	CERAMIC 4.7U K 6.3V
C5581	CK1E473KMNBNG	CERAMIC 0.047U K 25V	C6257	CK0J475KGQBNG	CERAMIC 4.7U K 6.3V
C5583	CK1E473KMNBNG	CERAMIC 0.047U K 25V	C6258	CC1H560JMNCNG	CERAMIC 56P J 50V
C5585	CK1H103KMNBNG	CERAMIC 0.01U K 50V	C6259	CK0J475KGQBNG	CERAMIC 4.7U K 6.3V
C5586	CK1E473KMNBNG	CERAMIC 0.047U K 25V	C6260	CK1H102KMNBNG	CERAMIC 1000P K 50V
C5588	CK1E473KMNBNG	CERAMIC 0.047U K 25V	C6261	CK1A105KMNBNG	CERAMIC 1U K 10V
C5590	CK1E473KMNBNG	CERAMIC 0.047U K 25V	C6330	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5592	CK1C104KMNBNG	CERAMIC 0.1U K 16V	C6332	CE1C221M1WANG	ELECT 220U M 16V
C5593	CK1E473KMNBNG	CERAMIC 0.047U K 25V	C6500	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5595	CK1E473KMNBNG	CERAMIC 0.047U K 25V	C6501	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5597	CK1H103KMNBNG	CERAMIC 0.01U K 50V	C6530	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5598	CK1E473KMNBNG	CERAMIC 0.047U K 25V	C6531	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5600	CK1E473KMNBNG	CERAMIC 0.047U K 25V	C6560	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5602	CK1E473KMNBNG	CERAMIC 0.047U K 25V	C6561	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5606	CC1H390JMNCNG	CERAMIC 39P J 50V	C6600	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5613	CC1H150JGQCNG	CERAMIC 15P J 50V	C6601	CK1A105KMNBNG	CERAMIC 1U K 10V
C5614	CC1H150JGQCNG	CERAMIC 15P J 50V	C6602	CE1C471M1WANG	ELECT 470U M 16V
C5615	CK1C104KMNBNG	CERAMIC 0.1U K 16V	C6701	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5616	CK1C104KMNBNG	CERAMIC 0.1U K 16V	C6702	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5618	CK1C104KMNBNG	CERAMIC 0.1U K 16V	C6703	CK0J106KGABNG	CERAMIC 10U K 6.3V
C5619	CC1H150JMNCNG	CERAMIC 15P J 50V		CK0J106KMBBNG	CERAMIC 10U K 6.3V
C5620	CC1H150JMNCNG	CERAMIC 15P J 50V	C6706	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5650	CK0J106KGABNG	CERAMIC 10U K 6.3V	C6707	CE1C471M1WANG	ELECT 470U M 16V
	CK0J106KMBBNG	CERAMIC 10U K 6.3V	C6708	CK1A224KMNBNG	CERAMIC 0.22U K 10V
C5652	CK1A684KMNBNG	CERAMIC 0.68U K 10V	C6720	CK0J475KGQBNG	CERAMIC 4.7U K 6.3V
C5653	CK1C104KMNBNG	CERAMIC 0.1U K 16V	C6721	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5658	CK1A224KMNBNG	CERAMIC 0.22U K 10V	C6722	CK1H223KMNBNG	CERAMIC 0.022U K 50V
C5661	CK1C104KMNBNG	CERAMIC 0.1U K 16V	C6723	CK1A105KMNBNG	CERAMIC 1U K 10V
C5700	CK1A105KMNBNG	CERAMIC 1U K 10V	C6725	CK1H392KMNBNG	CERAMIC 3900P K 50V
C5701	CK1C104KMNBNG	CERAMIC 0.1U K 16V	C6726	CK1A105KMNBNG	CERAMIC 1U K 10V
C5702	CK1A105KMNBNG	CERAMIC 1U K 10V	C6727	CE1C471M1WANG	ELECT 470U M 16V
C5703	CK1C104KMNBNG	CERAMIC 0.1U K 16V	C6728	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5704	CK1C104KMNBNG	CERAMIC 0.1U K 16V	C6729	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5705	CK1C104KMNBNG	CERAMIC 0.1U K 16V	C6730	CK1H102KMNBNG	CERAMIC 1000P K 50V
C5707	CK1C104KMNBNG	CERAMIC 0.1U K 16V	C6740	CK1A224KMNBNG	CERAMIC 0.22U K 10V
C5708	CK1C104KMNBNG	CERAMIC 0.1U K 16V	C6741	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5709	CK1C104KMNBNG	CERAMIC 0.1U K 16V	C6742	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5711	CK1C104KMNBNG	CERAMIC 0.1U K 16V	C6743	CE1C221M1WANG	ELECT 220U M 16V
C5712	CK1C104KMNBNG	CERAMIC 0.1U K 16V	C6752	CK1E473KMNBNG	CERAMIC 0.047U K 25V
C5713	CK1C104KMNBNG	CERAMIC 0.1U K 16V	C6753	CK1A105KMNBNG	CERAMIC 1U K 10V
C5714	CK0J106KGABNG	CERAMIC 10U K 6.3V	C6754	CK1A105KMNBNG	CERAMIC 1U K 10V
	CK0J106KMBBNG	CERAMIC 10U K 6.3V			
C5715	CK0J106KGABNG	CERAMIC 10U K 6.3V			
	CK0J106KMBBNG	CERAMIC 10U K 6.3V			
C5750	CK1A105KMNBNG	CERAMIC 1U K 10V	D6700	DD1SS352—G	DIODE 1SS352-(TPH3)
C5902	CK1A105KMNBNG	CERAMIC 1U K 10V		DD1SS355—G	DIODE 1SS355-TE-17
C5903	CK1A474KMNBNG	CERAMIC 0.47U K 10V		DDXLBB053—G	DIODE 1SS35
C5905	CK1C104KMNBNG	CERAMIC 0.1U K 16V	D6720	DDCRS20I30A-G	DIODE CRS20I30A
C6250	CK1A105KMNBNG	CERAMIC 1U K 10V			
C6251	CK1H102KMNBNG	CERAMIC 1000P K 50V			
C6252	CK0J475KGQBNG	CERAMIC 4.7U K 6.3V			
C6253	CE1C101M1WANG	ELECT 100U M 16V			
C6254	CK1C104KMNBNG	CERAMIC 0.1U K 16V			
C6255	CC1H560JMNCNG	CERAMIC 56P J 50V			

Schematic Location	Part No.	Description
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INTEGRATED CIRCUITS

IC001	QLV4906V-H—P	IC LV4906V-TLM-H
IC5500	QXXAVD250—M	IC ZR39748BGC
IC5650	QXXAVD046—P	IC XC6108N28AMR
IC5660	QXXAVD046—P	IC XC6108N28AMR
IC5700	QXXAVD132—M	IC H5PS5162FFR-25C
IC5750	QXXAAJQ1300—	IC S25FL064P0XMF10 N8LJ
IC5900	QXXAVD046—P	IC XC6108N28AMR
IC6250	QBA4558RF-E2P	IC BA4558RF-E2
	QNJM4558M—P	IC NJM4558M-TE2
IC6500	QXXAVC924—P	IC 74AHCT1G08GW
	QXXAVD257—P	“IC TC7SET08FU(5L,JF,T”
IC6530	QXXAVC924—P	IC 74AHCT1G08GW
	QXXAVD257—P	“IC TC7SET08FU(5L,JF,T”
IC6560	QXXAVC924—P	IC 74AHCT1G08GW
	QXXAVD257—P	“IC TC7SET08FU(5L,JF,T”
IC6600	QRT9711CGB—P	IC RT9711CGB
IC6700	QLM1117S-ADJP	IC LM1117S-ADJ
IC6720	QLV5893M-E—P	IC LV5893M-TE-L-E
IC6750	QXXAVD267—P	IC AP2128K-ADJTRG1

COILS

L001	1LB4L26B0700G	“INDUCTOR , 120 OHM”
L002	1LB4L26B1630G	“INDUCTOR ,22UH”
L003	1LB4L26B1630G	“INDUCTOR ,22UH”
L004	1LB4L26B1630G	“INDUCTOR ,22UH”
L005	1LB4L26B1630G	“INDUCTOR ,22UH”
L010	1LB4L26B0740G	“INDUCTOR , 220 OHM”
L011	1LB4L26B0740G	“INDUCTOR , 220 OHM”
L012	1LB4L26B0740G	“INDUCTOR , 220 OHM”
L013	1LB4L26B0740G	“INDUCTOR , 220 OHM”
L5500	1LB4L26B0700G	“INDUCTOR , 120 OHM”
L5501	1LB4L26B0700G	“INDUCTOR , 120 OHM”
L5502	1LB4L26B0700G	“INDUCTOR , 120 OHM”
L5503	1LB4L26B0740G	“INDUCTOR , 220 OHM”
L5504	1LB4L26B0740G	“INDUCTOR , 220 OHM”
L5505	1LB4L26B0700G	“INDUCTOR , 120 OHM”
L5506	1LB4L26B0700G	“INDUCTOR , 120 OHM”
L5507	1LB4L26B0700G	“INDUCTOR , 120 OHM”
L5508	1LB4L26B0700G	“INDUCTOR , 120 OHM”
L5509	1LB4L26B0700G	“INDUCTOR , 120 OHM”
L5510	1LB4L26B0700G	“INDUCTOR , 120 OHM”
L5511	1LB4L26B0700G	“INDUCTOR , 120 OHM”
L5512	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
L5513	1LB4L26B0700G	“INDUCTOR , 120 OHM”
L5514	1LB4L26B0700G	“INDUCTOR , 120 OHM”
L5515	1LB4L26B0700G	“INDUCTOR , 120 OHM”
L5516	1AV4L2GAR22JG	“INDUCTOR,0.22U J”
L6250	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6301	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6308	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6310	1LB4R1YB0R0ZG	R-NETWORK 0X4 0.063W
L6311	1LB4R1YB0R0ZG	R-NETWORK 0X4 0.063W

Schematic Location	Part No.	Description
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L6312	1LB4R1YB0R0ZG	R-NETWORK 0X4 0.063W
L6313	1LB4R1YB0R0ZG	R-NETWORK 0X4 0.063W
L6314	1LB4R1YB0R0ZG	R-NETWORK 0X4 0.063W
L6315	1LB4R1YB0R0ZG	R-NETWORK 0X4 0.063W
L6720	1LB4L26B1630G	“INDUCTOR ,22UH”
L6721	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6722	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W

TRANSISTORS

Q6250	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q6251	TISA1235AC1EP	TR ISA1235AC1E
	TISA1235AC1FP	TR ISA1235AC1F
	TXXLBB005—P	TR MMBTSA1235F
Q6252	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q6329	TCPH3338-T-EP	TR CPH3338-T-TL-E
Q6330	T2SC2859-Y—P	TR 2SC2859-Y TE85L
Q6331	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q6332	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q6700	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q6701	TCPH3338-T-EP	TR CPH3338-T-TL-E
Q6720	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q6721	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q6730	TMCH6437-P-EG	TR MCH6437-P-TL-E
Q6740	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q6741	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q6742	TMCH6437-P-EG	TR MCH6437-P-TL-E

Schematic Location	Part No.	Description
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RESISTORS

R004	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R005	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R006	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R007	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R008	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5500	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5501	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5502	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5503	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5504	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5505	RGF1202FTCANL	MT-GLAZE 12K FA 1/10W
R5506	RGF8200FTCANL	MT-GLAZE 820 FA 1/10W
R5507	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5508	RGF1202FTCANL	MT-GLAZE 12K FA 1/10W
R5509	RGF4701FTCANL	MT-GLAZE 4.7K FA 1/10W
R5510	RGF4701FTCANL	MT-GLAZE 4.7K FA 1/10W
R5513	RGF82R0JTCANL	MT-GLAZE 82 JA 1/10W
R5514	RGF10R0JTCANL	MT-GLAZE 10 JA 1/10W
R5516	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5517	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5518	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5519	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5520	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5522	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5523	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5524	RGF3900FTCANL	MT-GLAZE 390 FA 1/10W
R5525	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5526	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5527	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5528	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5529	RGF3302JTCANL	MT-GLAZE 33K JA 1/10W
R5530	RGF2702JTCANL	MT-GLAZE 27K JA 1/10W
R5531	RGF3302JTCANL	MT-GLAZE 33K JA 1/10W
R5532	RGF2702JTCANL	MT-GLAZE 27K JA 1/10W
R5533	RGF3302JTCANL	MT-GLAZE 33K JA 1/10W
R5534	RGF2702JTCANL	MT-GLAZE 27K JA 1/10W
R5535	RGF3302JTCANL	MT-GLAZE 33K JA 1/10W
R5536	RGF2702JTCANL	MT-GLAZE 27K JA 1/10W
R5537	RGF3302JTCANL	MT-GLAZE 33K JA 1/10W
R5538	RGF2702JTCANL	MT-GLAZE 27K JA 1/10W
R5539	RGF3302JTCANL	MT-GLAZE 33K JA 1/10W
R5540	RGF2702JTCANL	MT-GLAZE 27K JA 1/10W
R5541	RGF3302JTCANL	MT-GLAZE 33K JA 1/10W
R5542	RGF2702JTCANL	MT-GLAZE 27K JA 1/10W
R5543	RGF2702JTCANL	MT-GLAZE 27K JA 1/10W
R5544	RGF3302JTCANL	MT-GLAZE 33K JA 1/10W
R5545	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5546	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5547	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5548	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5549	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5550	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5551	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W

Schematic Location	Part No.	Description
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R5552	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5553	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5554	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5555	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5556	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5557	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5558	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5559	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5560	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5561	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5562	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5563	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5564	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5565	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5566	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5567	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5568	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5569	RGF1004JTCANL	MT-GLAZE 1M JA 1/10W
R5570	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5572	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5573	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5574	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5575	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5576	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5577	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5578	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5579	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5581	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5582	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R5583	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5584	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5585	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5586	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5587	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5588	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5589	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5591	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5592	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5593	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5594	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5598	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5599	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5650	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5653	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5654	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5659	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5662	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5700	RGF1000FTCANL	MT-GLAZE 100 FA 1/10W
R5701	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5702	RGF1000FTCANL	MT-GLAZE 100 FA 1/10W
R5750	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5751	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5753	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5900	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W

Schematic Location	Part No.	Description
R5901	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5902	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5903	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5908	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5950	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5952	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5954	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5956	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5957	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6250	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6251	RGF4700JTCANL	MT-GLAZE 470 JA 1/10W
R6253	RGF3901JTCANL	MT-GLAZE 3.9K JA 1/10W
R6254	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R6255	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R6256	RGF2702JTCANL	MT-GLAZE 27K JA 1/10W
R6257	RGF5602JTCANL	MT-GLAZE 56K JA 1/10W
R6259	RGF5602JTCANL	MT-GLAZE 56K JA 1/10W
R6260	RGF2702JTCANL	MT-GLAZE 27K JA 1/10W
R6262	RGF3901JTCANL	MT-GLAZE 3.9K JA 1/10W
R6263	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6266	RGF4700JTCANL	MT-GLAZE 470 JA 1/10W
R6267	RGF4700JTCANL	MT-GLAZE 470 JA 1/10W
R6268	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6269	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6314	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6315	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6317	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6318	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6321	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6322	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6323	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6324	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6330	RG11500JTEANL	MT-GLAZE 150 JA 1W
R6331	RG11500JTEANL	MT-GLAZE 150 JA 1W
R6332	RG11500JTEANL	MT-GLAZE 150 JA 1W
R6337	RGF1004JTCANL	MT-GLAZE 1M JA 1/10W
R6339	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6340	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6341	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6342	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6344	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6346	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6348	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6350	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6500	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R6501	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R6502	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6503	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6504	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R6505	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R6506	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6516	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6517	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6519	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W

Schematic Location	Part No.	Description
R6520	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R6530	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R6531	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R6532	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6533	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6534	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R6535	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R6536	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6546	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6547	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6549	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R6550	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R6560	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R6561	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R6562	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6563	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6564	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R6565	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R6566	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6576	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6577	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6579	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6581	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R6582	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R6600	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6602	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6604	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6606	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6607	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6608	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
R6700	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R6702	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6703	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6704	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6705	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6706	RGF4700FTCANL	MT-GLAZE 470 FA 1/10W
R6707	RGF10R0JTCANL	MT-GLAZE 10 JA 1/10W
R6708	RGF2200FTCANL	MT-GLAZE 220 FA 1 /10W
R6709	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6720	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6722	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R6723	RGF1002FTCANL	MT-GLAZE 10K FA 1/10W
R6724	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6725	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6726	RGF4701FTCANL	MT-GLAZE 4.7K FA 1/10W
R6728	RGF22R0JTCANL	MT-GLAZE 22 JA 1/10W
R6729	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6730	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6731	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6732	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6733	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6734	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6740	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6742	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W

Schematic Location	Part No.	Description
R6743	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R6744	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6745	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6746	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6750	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6755	RGF6800FTCANL	MT-GLAZE 680 FA 1/10W
R6756	RGF3301FTCANL	MT-GLAZE 3.3K FA 1/10W
R6757	RGF1002FTCANL	MT-GLAZE 10K FA 1/10W
R6758	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
RB5501	1LB4R1YB220JG	R-NETWORK 22X4 0.06 3W
RB5951	1LB4R1YB0R0ZG	R-NETWORK 0X4 0.063 W

"CRYSTAL, OSCILLATOR"

X5500 1AV4V10B9570G "OSC,CRYSTAL 25MHZ"

ASSY,PWB,ANALOG-COMP-PARTS LIST

CAPACITORS

C1020	CEXLB1V470VDN	ELECT	47U M	35V
C1051	CK1H102KGQBNG	CERAMIC	1000P K	50V
C1052	CK1H102KGQBNG	CERAMIC	1000P K	50V
C1600	CK0J106KGABNG	CERAMIC	10U K	6.3V
	CK0J106KMBBNG	CERAMIC	10U K	6.3V
C1602	CEXLB0J221VDN	ELECT	220U M	6.3V
C1603	CK1H104ZGQFNG	CERAMIC	0.1U Z	50V
C1604	CEXLB1V471VDN	ELECT	470U M	35V
C1610	CK1H473KGQBNG	CERAMIC	0.047U K	50V
C1612	CK1H104ZGQFNG	CERAMIC	0.1U Z	50V
C1613	CK1H104ZGQFNG	CERAMIC	0.1U Z	50V
C1620	CEXLB1V471VDN	ELECT	470U M	35V
C1621	CK1A105KGQBNG	CERAMIC	1U K	10V
C1622	CK1H104KGQBNG	CERAMIC	0.1U K	50V
C1623	CK1H105KGBBNG	CERAMIC	1U K	50V
C1625	CK1H104KGQBNG	CERAMIC	0.1U K	50V
C1626	CK1E105KGABNG	CERAMIC	1U K	25V
C1627	CEXLB1V471VDN	ELECT	470U M	35V
C1640	CK1H104ZGQFNG	CERAMIC	0.1U Z	50V
C1641	CK1E105KGABNG	CERAMIC	1U K	25V
C1642	CEXLB1V470VDN	ELECT	47U M	35V
C1643	CK1H104ZGQFNG	CERAMIC	0.1U Z	50V
C1644	CEXLB1V471VDN	ELECT	470U M	35V
C1666	CEXLB1V471VDN	ELECT	470U M	35V
C1704	CK1H103KGQBNG	CERAMIC	0.01U K	50V
C1800	CK1H104ZGQFNG	CERAMIC	0.1U Z	50V
C1801	CK0J106KGABNG	CERAMIC	10U K	6.3V
	CK0J106KMBBNG	CERAMIC	10U K	6.3V
C1802	CK1H103KGQBNG	CERAMIC	0.01U K	50V
C1803	CK1H103KGQBNG	CERAMIC	0.01U K	50V
C2405	CK1H104ZGQFNG	CERAMIC	0.1U Z	50V
C2410	CK1H104ZGQFNG	CERAMIC	0.1U Z	50V
C2411	CK1H104ZGQFNG	CERAMIC	0.1U Z	50V
C6100	1LB4L26B0700G	INDUCTOR,	120 OHM	

Schematic Location	Part No.	Description
C6101	1LB4L26B0700G	INDUCTOR, 120 OHM
C6102	CK1H102KGQBNG	CERAMIC 1000P K 50V
C6104	CC1H270JGQCNG	CERAMIC 27P J 50V
C6105	CC1H270JGQCNG	CERAMIC 27P J 50V
C6106	CK1H104ZGQFNG	CERAMIC 0.1U Z 50V
C6107	CEXLB0J102VDN	ELECT 1000U M 6.3V
C6109	CEXLB0J222VDN	ELECT 2200U M 6.3V
C6110	CK1H104ZGQFNG	CERAMIC 0.1U Z 50V
C6111	CK1H102KGQBNG	CERAMIC 1000P K 50V
C6113	CC1H220JGQCNG	CERAMIC 22P J 50V
C6114	CC1H220JGQCNG	CERAMIC 22P J 50V

DIODES

D1613	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355-TE-17
	DDXLBB053—G	DIODE 1SS35
D1620	DDCRS20I30A-G	DIODE CRS20I30A
D1641	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355-TE-17
	DDXLBB053—G	DIODE 1SS35
D1668	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355-TE-17
	DDXLBB053—G	DIODE 1SS35
D1750	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355-TE-17
	DDXLBB053—G	DIODE 1SS35
D2405	DDDSF05S30U-G	DIODE DSF05S30U
	DDRB551V-30-G	DIODE RB551V-30-TE-17

INTEGRATED CIRCUITS

IC1600	QLM1117S-ADJP	IC LM1117S-ADJ
IC1620	QLV58063MX-HP	IC LV58063MX-TLM-H
IC1640	QLM1117S-ADJP	IC LM1117S-ADJ
IC2401	QXXAVD258—P	"IC TC7SH08F,LJ(T"
IC2402	QXXAVD258—P	"IC TC7SH08F,LJ(T"

COILS

L1610	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1612	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
L1617	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1620	1LB4L26B1000N	"INDUCTOR,15UH"
L1621	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1640	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1641	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1642	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1643	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1646	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1702	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
L1703	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L1704	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L1705	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1706	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W

Schematic Location	Part No.	Description
L1707	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L1708	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L1709	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L1710	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L1711	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1712	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1716	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
L1801	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
L1902	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6102	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6103	1LB4L26B0700G	"INDUCTOR , 120 OHM"
L6104	1LB4L26B0700G	"INDUCTOR , 120 OHM"
L6105	1LB4L26B1640G	"INDUCTOR ,600 OHM"

TRANSISTORS

Q1610	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1611	TCPH3338-T-EP	TR CPH3338-T-TL-E
Q1750	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1751	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1810	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1813	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R

RESISTORS

R1004	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1009	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1020	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1022	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1023	RGF82R0JTCANL	MT-GLAZE 82 JA 1/10W
R1024	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R1028	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1033	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1038	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1043	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1051	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1052	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R1054	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1055	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R1600	RGF1200FTCANL	MT-GLAZE 120 FA 1/10W
R1601	RGF12R0JTCANL	MT-GLAZE 12 JA 1/10W
R1602	RGF2200FTCANL	MT-GLAZE 220 FA 1 /10W
R1610	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1611	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1612	RGF1004JTCANL	MT-GLAZE 1M JA 1/10W
R1616	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W

Schematic Location	Part No.	Description
R1621	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1622	RGF1001FTCANL	MT-GLAZE 1K FA 1/10W
R1623	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1624	RGF1802FTCANL	MT-GLAZE 18K FA 1/10W
R1625	RGF3301FTCANL	MT-GLAZE 3.3K FA 1/10W
R1628	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1640	RGF1200FTCANL	MT-GLAZE 120 FA 1/10W
R1641	RGF12R0JTCANL	MT-GLAZE 12 JA 1/10W
R1642	RGF8200FTCANL	MT-GLAZE 820 FA 1/10W
R1667	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1668	RGF3302JTCANL	MT-GLAZE 33K JA 1/10W
R1702	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1707	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1708	RGF1802JTCANL	MT-GLAZE 18K JA 1/10W
R1750	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1751	RGF1801JTCANL	MT-GLAZE 1.8K JA 1/10W
R1752	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1753	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1754	RGF3301JTCANL	MT-GLAZE 3.3K JA 1/10W
R1771	1LB4L26B0700G	"INDUCTOR, 120 OHM"
R1772	1LB4L26B0700G	"INDUCTOR, 120 OHM"
R1776	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1790	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1791	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1792	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1797	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1800	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1801	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1802	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1803	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1804	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R1810	RGF3300JTCANL	MT-GLAZE 330 JA 1/10W
R1811	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1812	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1813	RGF3300JTCANL	MT-GLAZE 330 JA 1/10W
R1843	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1901	RGF4701FTCANL	MT-GLAZE 4.7K FA 1/10W
R1902	RGF6801JTCANL	MT-GLAZE 6.8K JA 1/10W
R1903	RGF6801JTCANL	MT-GLAZE 6.8K JA 1/10W
R1904	RGF3901JTCANL	MT-GLAZE 3.9K JA 1/10W
R1905	RGF5601FTCANL	MT-GLAZE 5.6K FA 1/10W
R1906	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1907	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1908	RGF6801JTCANL	MT-GLAZE 6.8K JA 1/10W
R1909	RGF1202JTCANL	MT-GLAZE 12K JA 1/10W
R1910	RGF1002FTCANL	MT-GLAZE 10K FA 1/10W
R1911	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R2400	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2401	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2405	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2407	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2408	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2409	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2410	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W

Schematic Location	Part No.	Description
R2411	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R2412	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R2413	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R2414	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2415	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2416	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2417	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R6100	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R6101	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W

SWITCHES

SW1901	1AV4S10B0722J	"SWITCH,PUSH"
SW1902	1AV4S10B0722J	"SWITCH,PUSH"
SW1903	1AV4S10B0722J	"SWITCH,PUSH"
SW1904	1AV4S10B0722J	"SWITCH,PUSH"
SW1905	1AV4S10B0722J	"SWITCH,PUSH"
SW1906	1AV4S10B0722J	"SWITCH,PUSH"
SW1907	1AV4S10B0722J	"SWITCH,PUSH"

Schematic Location	Part No.	Description
MISCELLANEOUS		
⚠ A100	1AA0B10N30200	"ASSY,PWB,DIGITAL_Z-N7AP"
⚠ A200	1AA0B10N30300	"ASSY,PWB,ANALOG-COMP-N7AP"
⚠ A201	1AA0B10N3030A	"ASSY,PWB,ANALOG-N7AP"
⚠ A202	1AA0B10N303AB	"ASSY,PWB,KEY_SW-N8LJ"
⚠ A300	1AA0B10N285A0	"ASSY,PWB,RC_LED N8LJ"
⚠ A6100	1AV4F1BAZ0090	"TUNER,U/V"
	1AV4F1BAZ0091	"TUNER,U/V"
⚠ EL901	1AV4T44B03100	"PDP MODULE"
EL902	1AV4Z12B62301	"OPTICAL FILTER"
F601	FFXLBB007CQ-J	FUSE, 250V 5A
K19CTR	1AV4J10AV083N	"PLUG,8P"
K19K	1AV4J10AR061N	"PLUG,6P"
K55SP	1AV4J10EA043N	"PLUG,4P"
K5A	1LB4J10B0040N	"PLUG,HOUSING 40P"
K5B	1LB4J10B0030N	"PLUG,HOUSING 32P"
K5DL	1AV4J10AU045N	"PLUG,4P"
K5LV	1LB4J10B0270N	"PLUG,39P(40-1)"
K605	1AV4J10AU105N	"PLUG,10P"
K6AC	1AV4J10B0330N	"PLUG,HOUSING 2P"
K6B	1AV4J10FT140N	"PLUG,PWB 14P"
K6500	1AV4J11B9810G	"SOCKET,IF(HDMI) 19P"
K6530	1AV4J11B9810G	"SOCKET,IF(HDMI) 19P"
K6560	1AV4J11B9810G	"SOCKET,IF(HDMI) 19P"
KUSB	1LB4J11B0550N	"SOCKET,USB 4P"
KUSB	1LB4J11B0820N	"SOCKET,USB 4P"
K1004	1LB4J12B11700	"JACK,RCA-9"
K1005	1LB4J12B14300	"JACK,RCA-5"
K16A	1LB4J11B0500N	"SOCKET,PWB 40P"
K16B	1LB4J11B0740N	"SOCKET,PWB 32P"
K2400	1LB4J11B0810N	"SOCKET,D-SUB 15P"
K2401	1LB4J12B11900	"JACK,PHONE D3.6"
K2405	1LB4J12B11203	"JACK,RCA-2"
K8B	1AV4J10FT140N	"PLUG,PWB 14P"
K8CTR	1AV4J10AU085N	"PLUG,8P"
K8L	1AV4J10AU055N	"PLUG,5P"
SPL	1LB4A10B08700	"SPEAKER,8"
SPR	1LB4A10B08700	"SPEAKER,8"
T601	1LB4L51B1820N	"TRANS,POWER,PULSE"
⚠ U901	1AV4U20C52300	"UNIT, POWER"
VA601	DVXAVB016—N	VARISTOR S14K385E2K1
⚠ W901	1AV4W10B17904	"CORD,POWER-2.0MK-VTR-02"
⚠	1AV4W10B19804	"CORD,POWER-2.0MK-VTR-02"
WK5LV-PN	1AA4W30B66400	"LVDS CABLE, 40P-30P"
	8TXNC111BEV--	PCB CIRCUIT BOARD C1
	8TXNC211BEV--	PCB CIRCUIT BOARD C2
	8TXNSN11BEV--	PCB CIRCUIT BOARD SN
	8TXNSS11BEV--	PCB CIRCUIT BOARD SS
	8TZTNP011BEV-	INTERFACE, DIGITALPRO, D

"For Digital board replacement please get the correct assembly name/part number"

Service Name: ASSY,PWB,DIGITAL_Z-N7AP

Japan BOM part number: 1AA0B10N30200

"For Analog board replacement please get the correct assembly name/part number"

Service Name: ASSY,PWB,ANALOG-N7AP

Japan BOM part number: 1AA0B10N3030A

NOTE: This sub assembly (A201) is from ASSY,PWB,ANALOG-COMP-N7AP (A200)

"For KEW_SW unit replacement please get the correct assembly name/part number"

Service Name: ASSY,PWB,KEY_SW N8LJ

Japan BOM part number: 1AA0B10N303AB

NOTE: This sub assembly (A202) is from ASSY,PWB,ANALOG-COMP-N7AP (A200)

"For RC_LED unit replacement please get the correct assembly name/part number"

Service Name: ASSY,PWB,RC_LED N8LJ

Japan BOM part number: 1AA0B10N285A0

"For Power Board replacement please get the correct assembly name/part number"

Service Name: Unit, Power

Japan BOM part number: 1AV4U20C52300

"For Circuit Board C1 replacement please get the correct assembly name/part number"

Service Name: 8TXNC111BEV--

Japan BOM part number: PCB CIRCUIT BOARD C1

"For Circuit Board C2 replacement please get the correct assembly name/part number"

Service Name: 8TXNC211BEV--

Japan BOM part number: PCB CIRCUIT BOARD C2

"For Circuit Board SN replacement please get the correct assembly name/part number"

Service Name: 8TXNSN11BEV--

Japan BOM part number: PCB CIRCUIT BOARD SN

"For Circuit Board SS replacement please get the correct assembly name/part number"

Service Name: 8TXNSS11BEV--

Japan BOM part number: PCB CIRCUIT BOARD SS

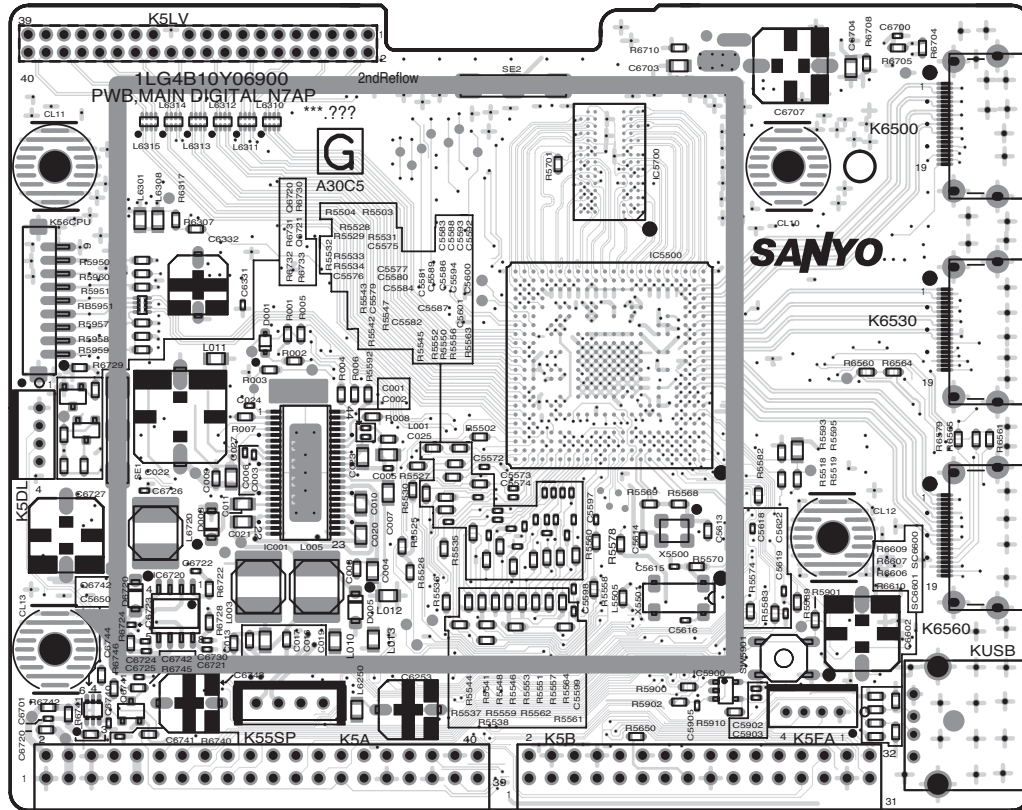
"For Logic Unit Board replacement please get the correct assembly name/part number"

Service Name: INTERFACE, DIGITALPRO, D

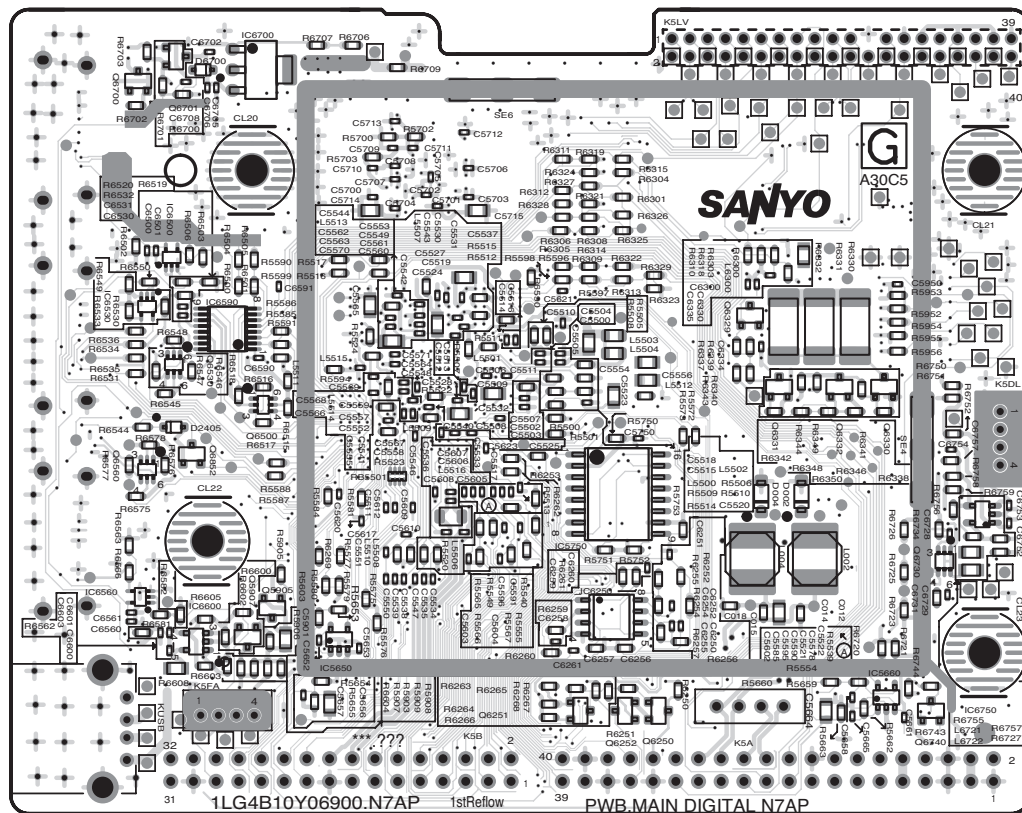
Japan BOM part number: 8TZTNP011BEV-

COMPONENT AND TEST POINT LOCATIONS

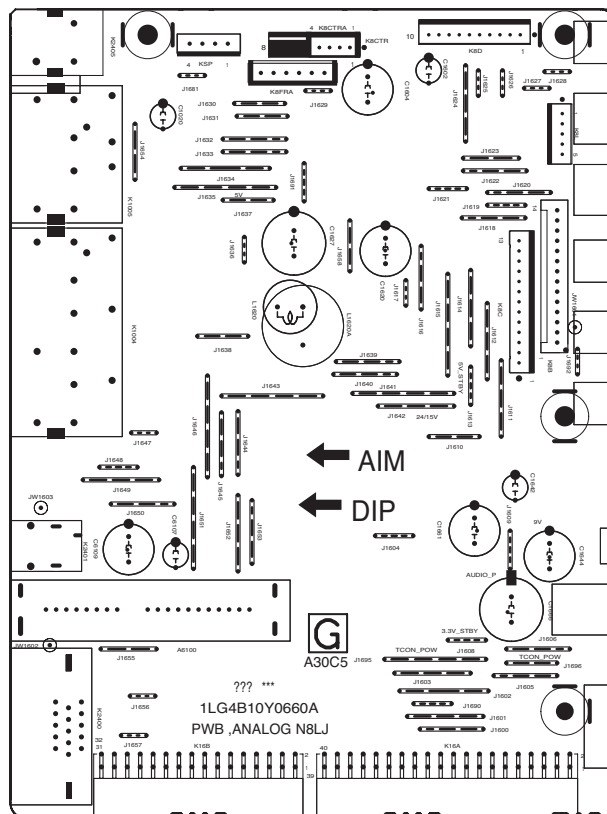
DIGITAL BOARD PARTS SIDE



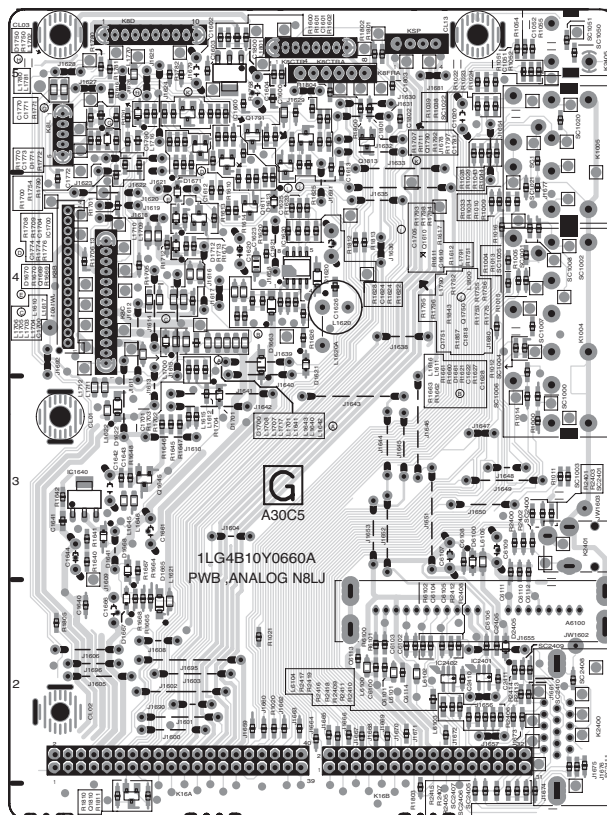
DIGITAL BOARD SOLDER SIDE



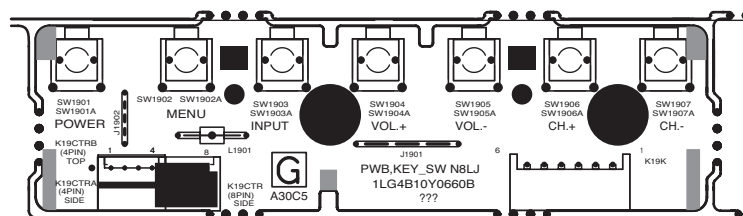
ANALOG BOARD PARTS SIDE



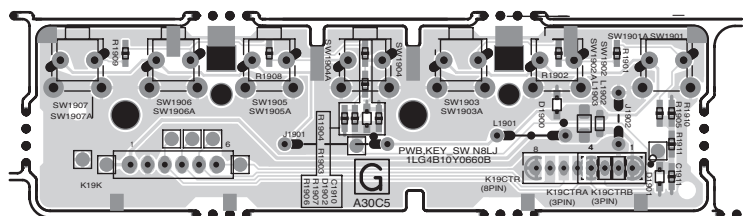
ANALOG BOARD SOLDER SIDE



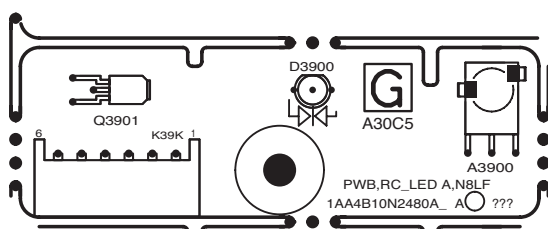
CONTROL BOARD PART SIDE



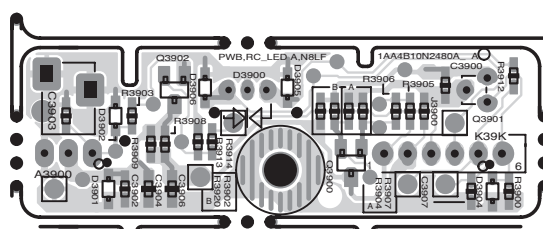
CONTROL BOARD SOLDER SIDE



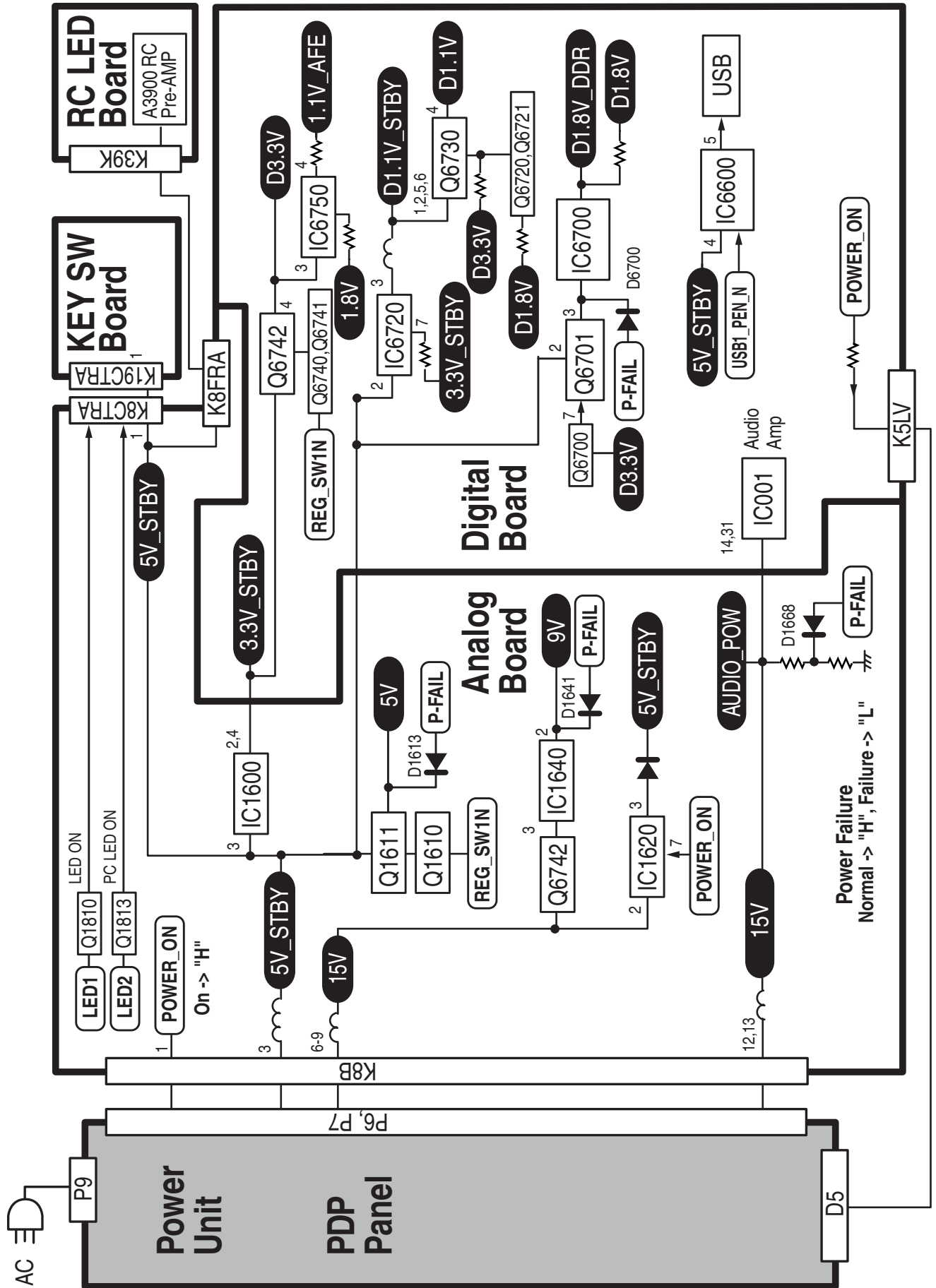
PWB RC_LED PART SIDE



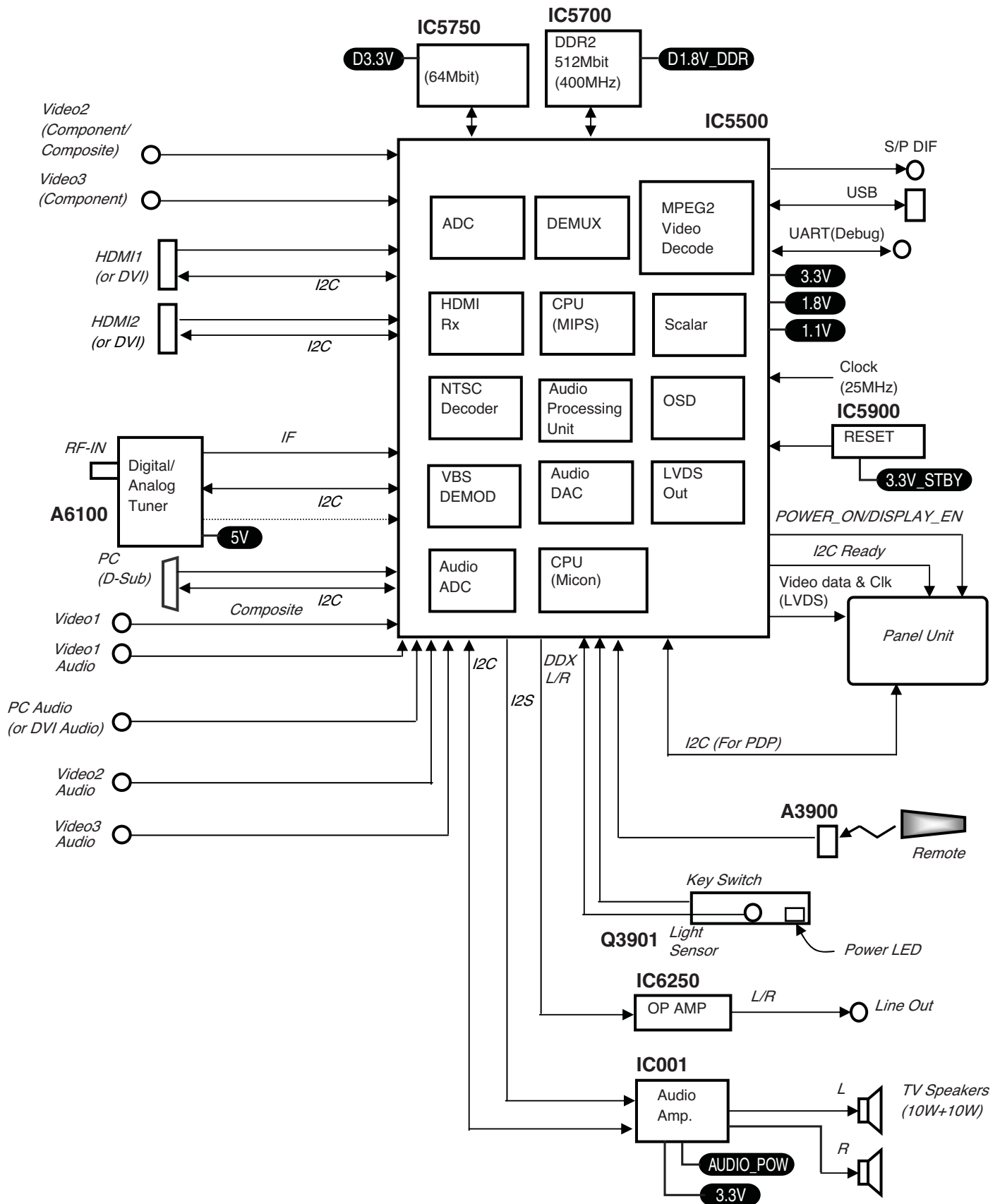
PWB RC_LED SOLDER SIDE



BLOCK DIAGRAM POWER LINES

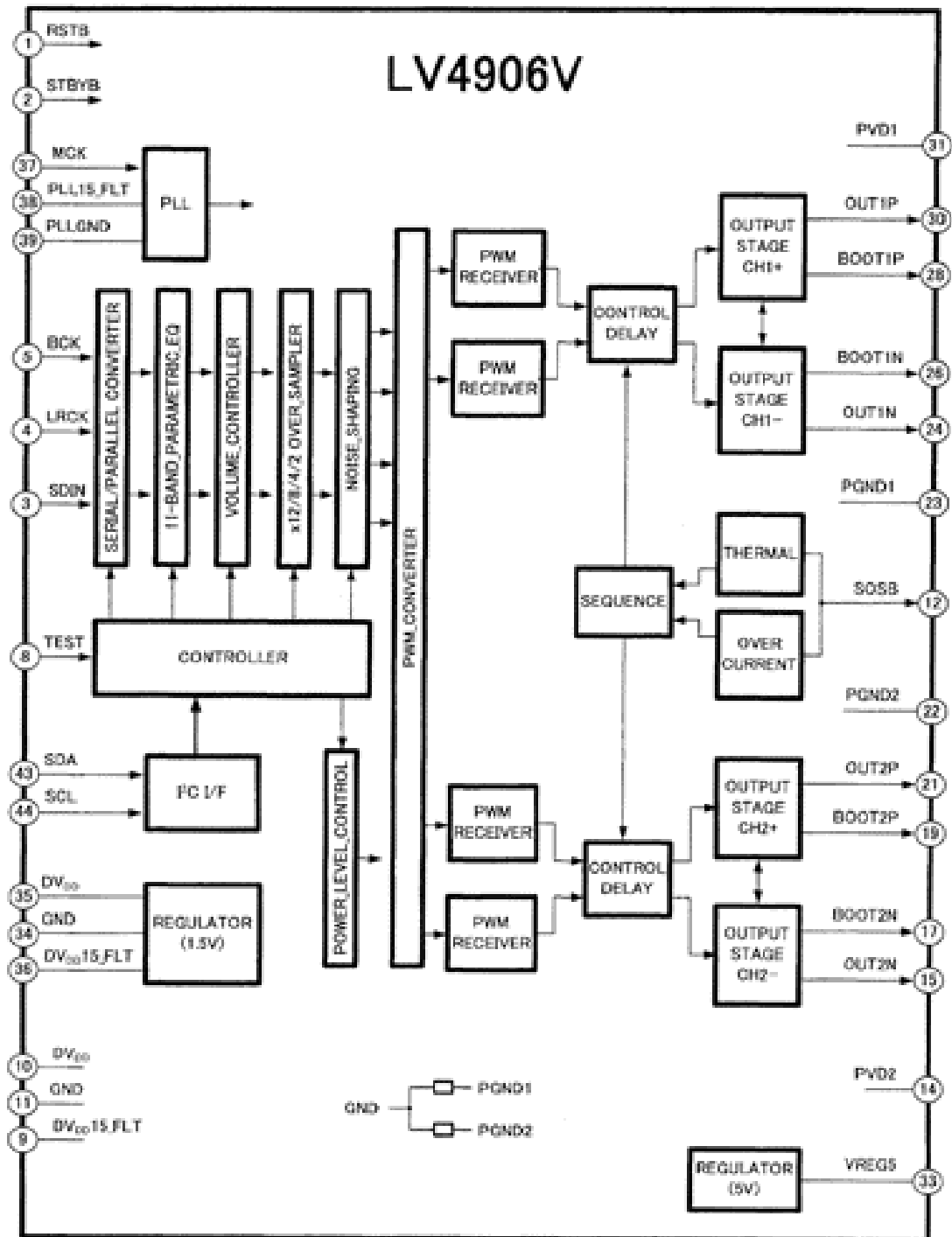


BLOCK DIAGRAM SIGNAL LINES



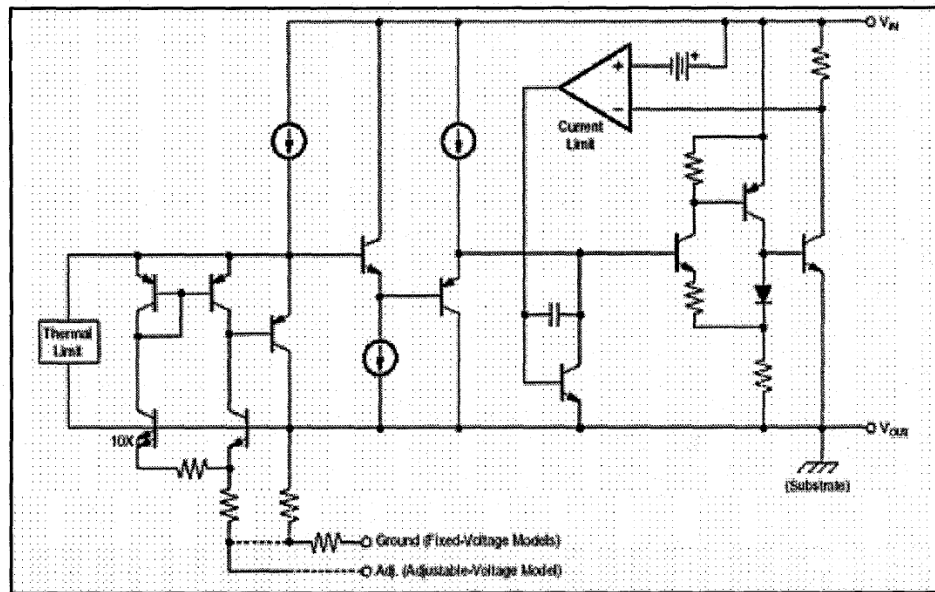
IC BLOCK DIAGRAMS

IC001, Audio AMP

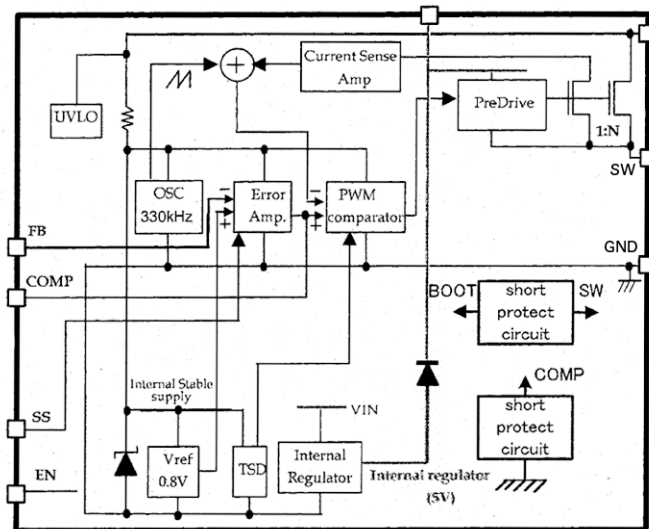


IC BLOCK DIAGRAMS (CONT.)

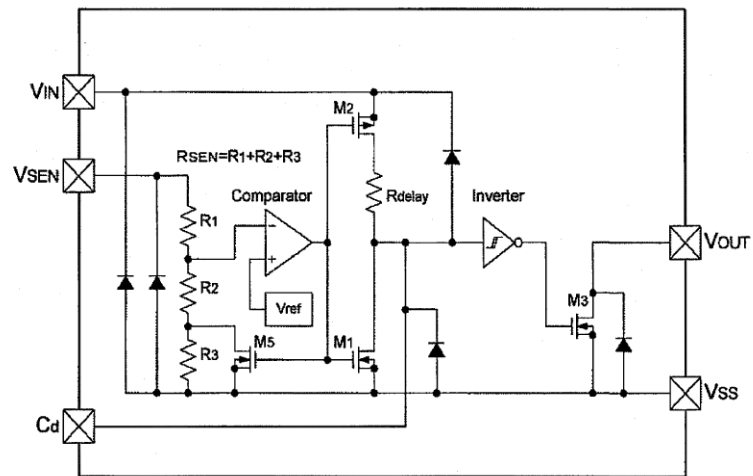
IC1600, IC1640 DC to DC Converter



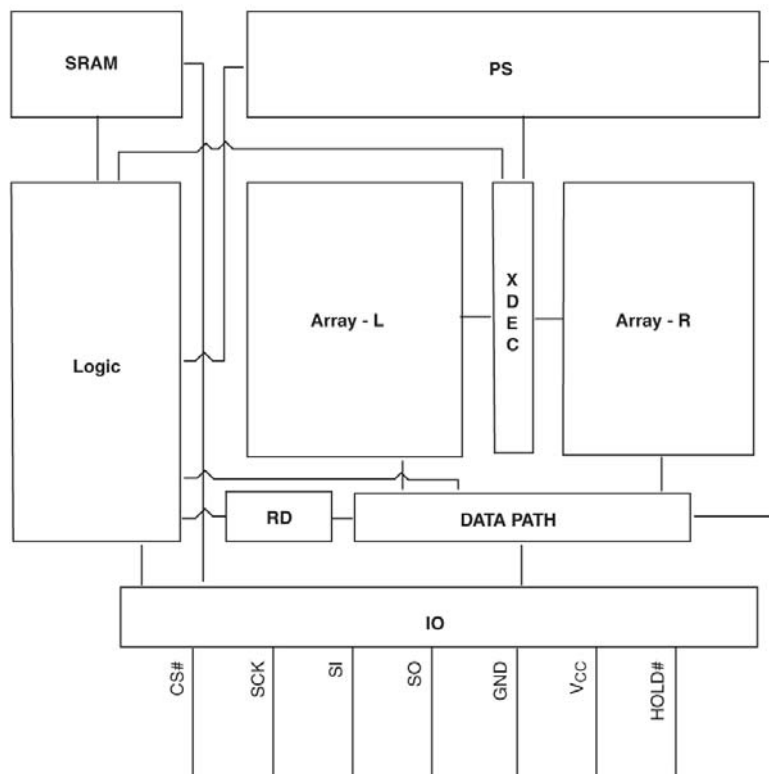
IC1620, DC-DC converter



IC5650, IC5660, IC5900 Voltage detector

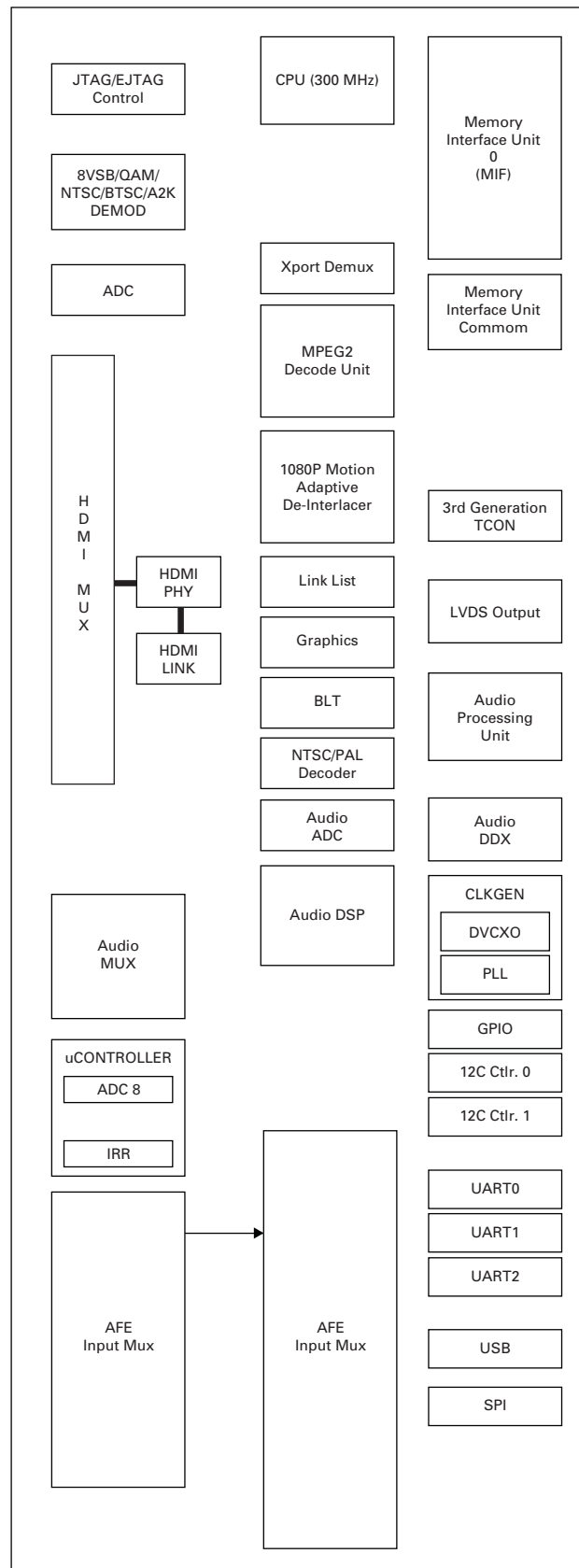


IC5750, Flash Memory

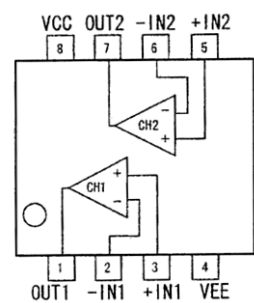


IC BLOCK DIAGRAMS (CONT.)

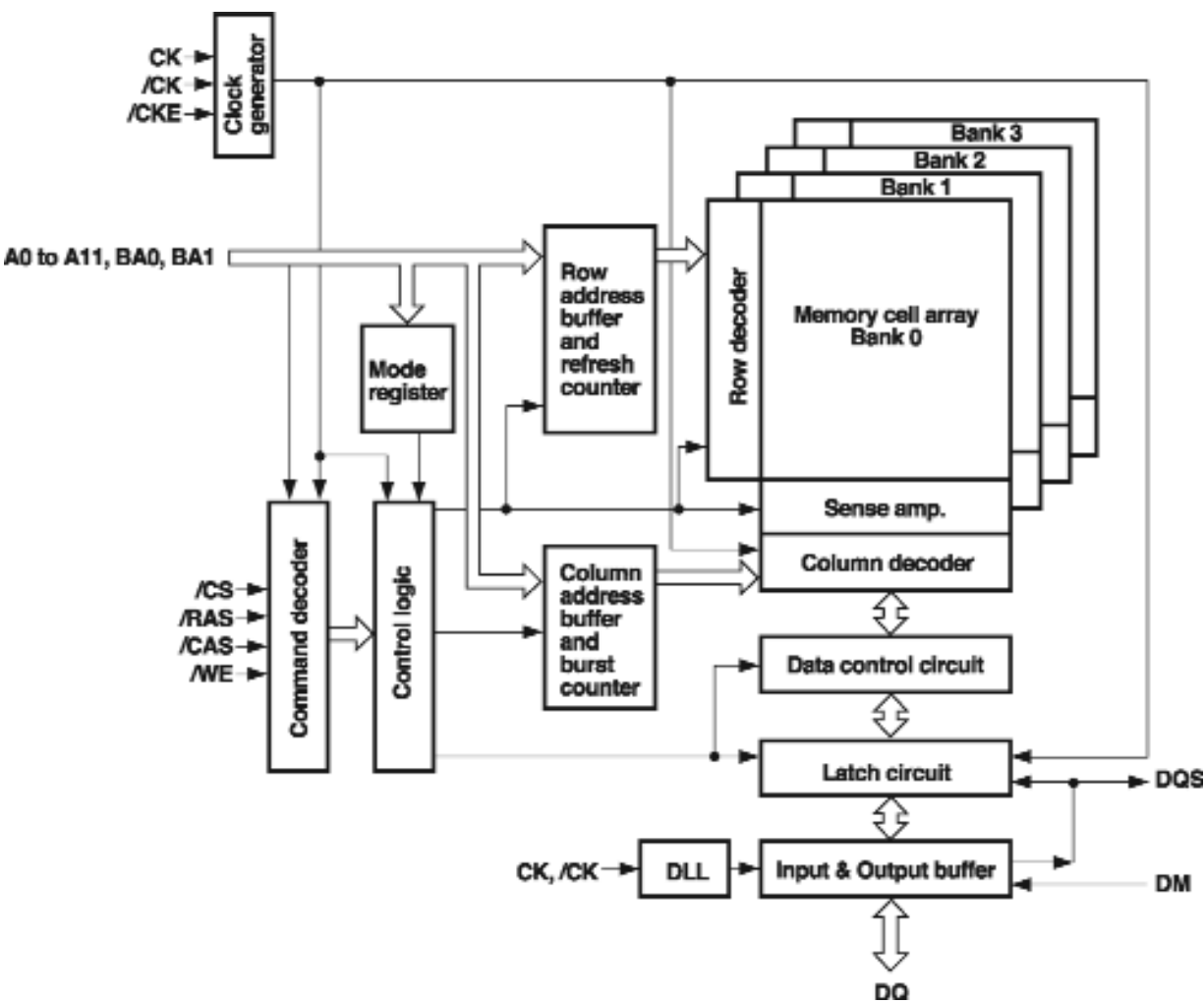
IC5500 Main Chip signal processor



IC6250, Voltage comparator

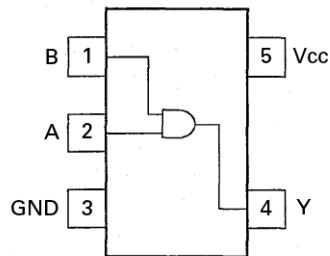


IC5700, DDR: Double Data Rate SDRAM

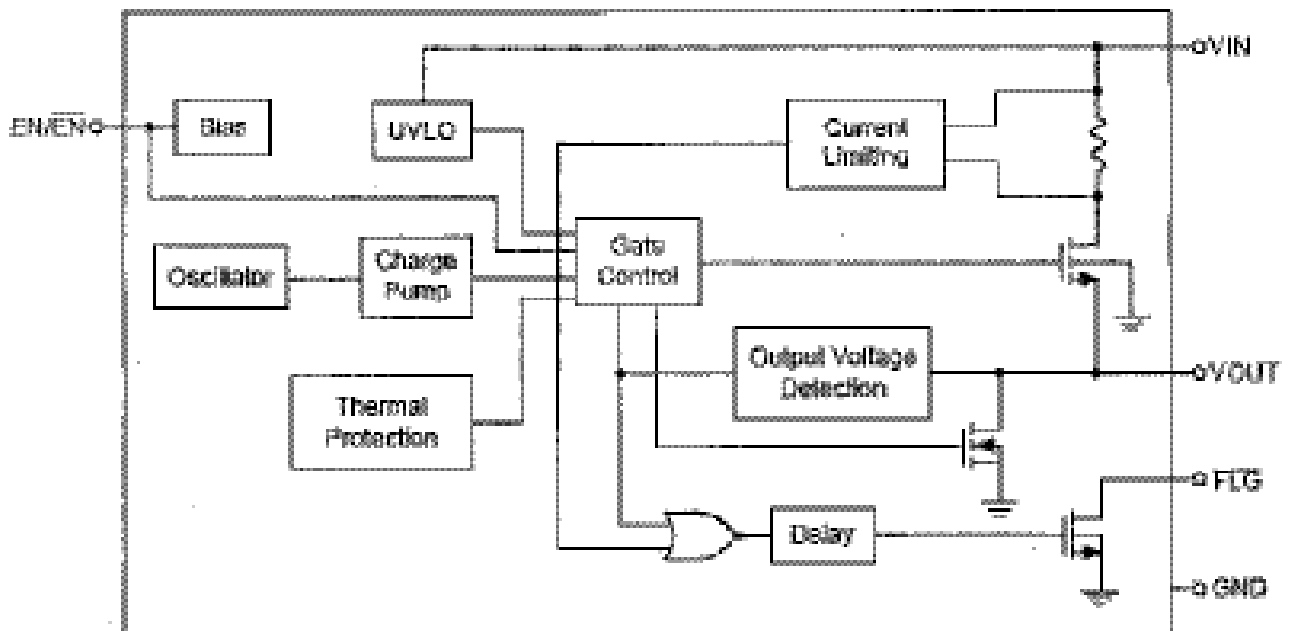


IC BLOCK DIAGRAMS (CONT.)

IC6500, IC6530, IC6560, Logic AND gate

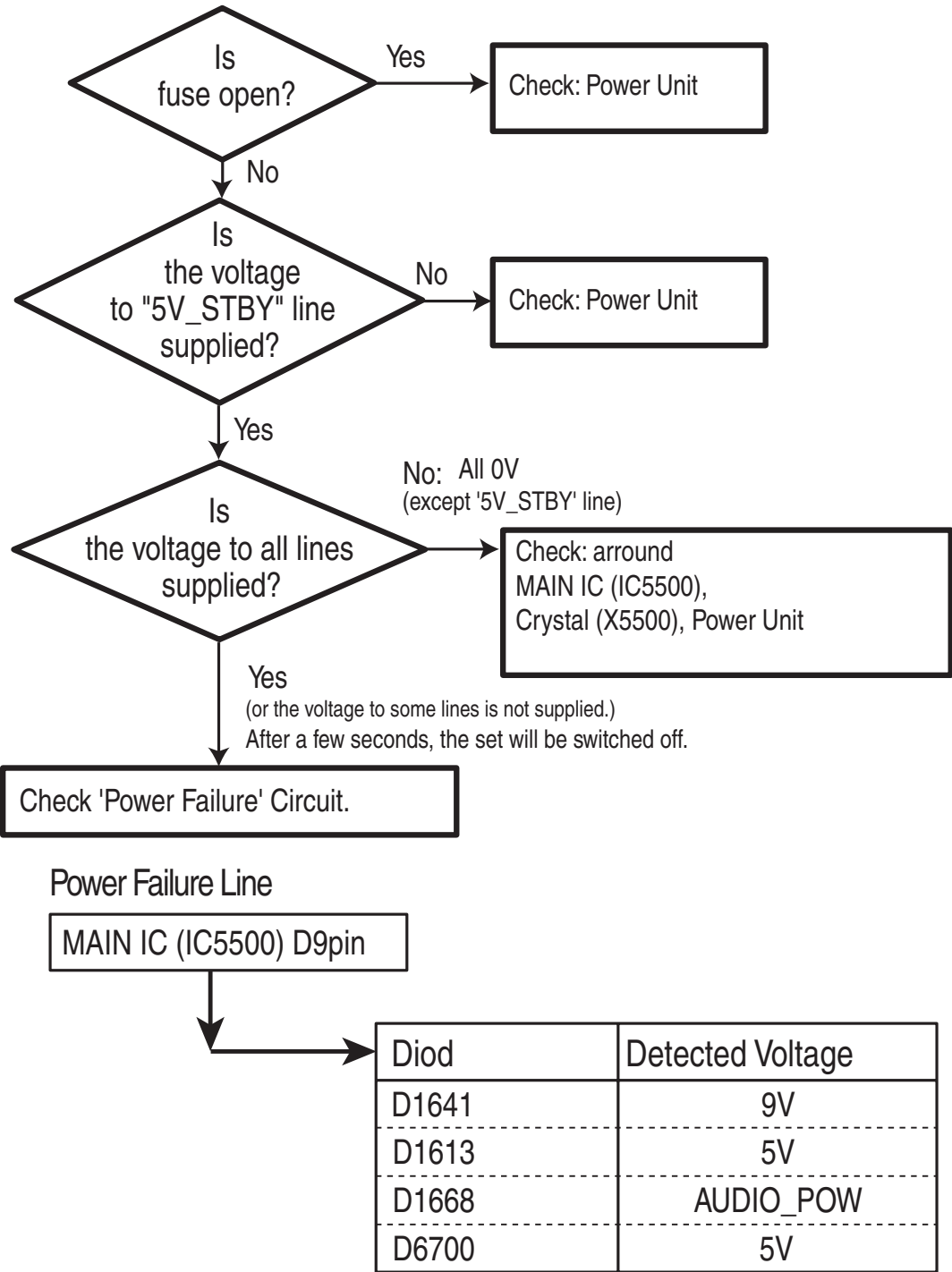


IC 6600, USB Protection



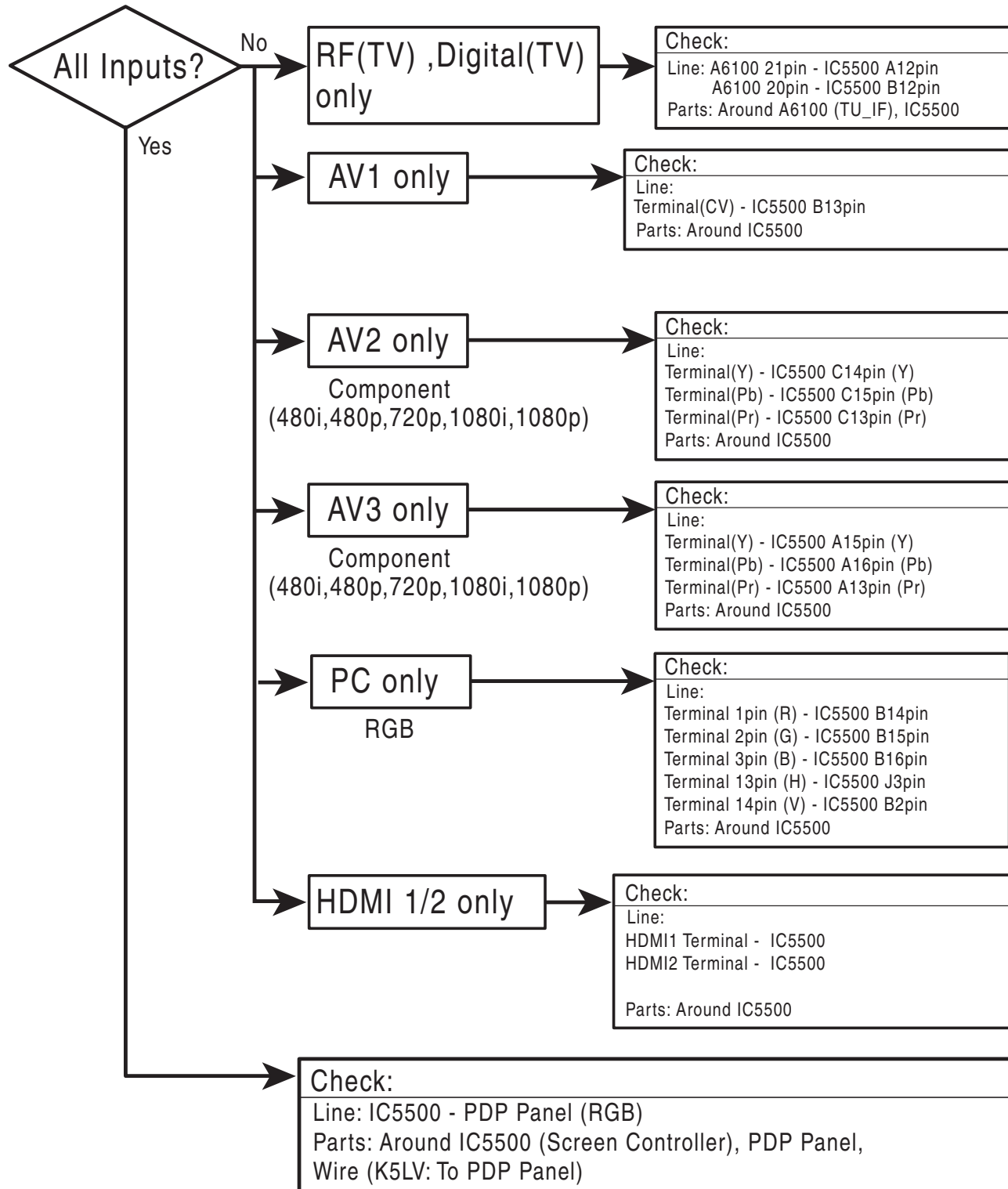
TROUBLESHOOTING FLOW CHARTS

NO POWER



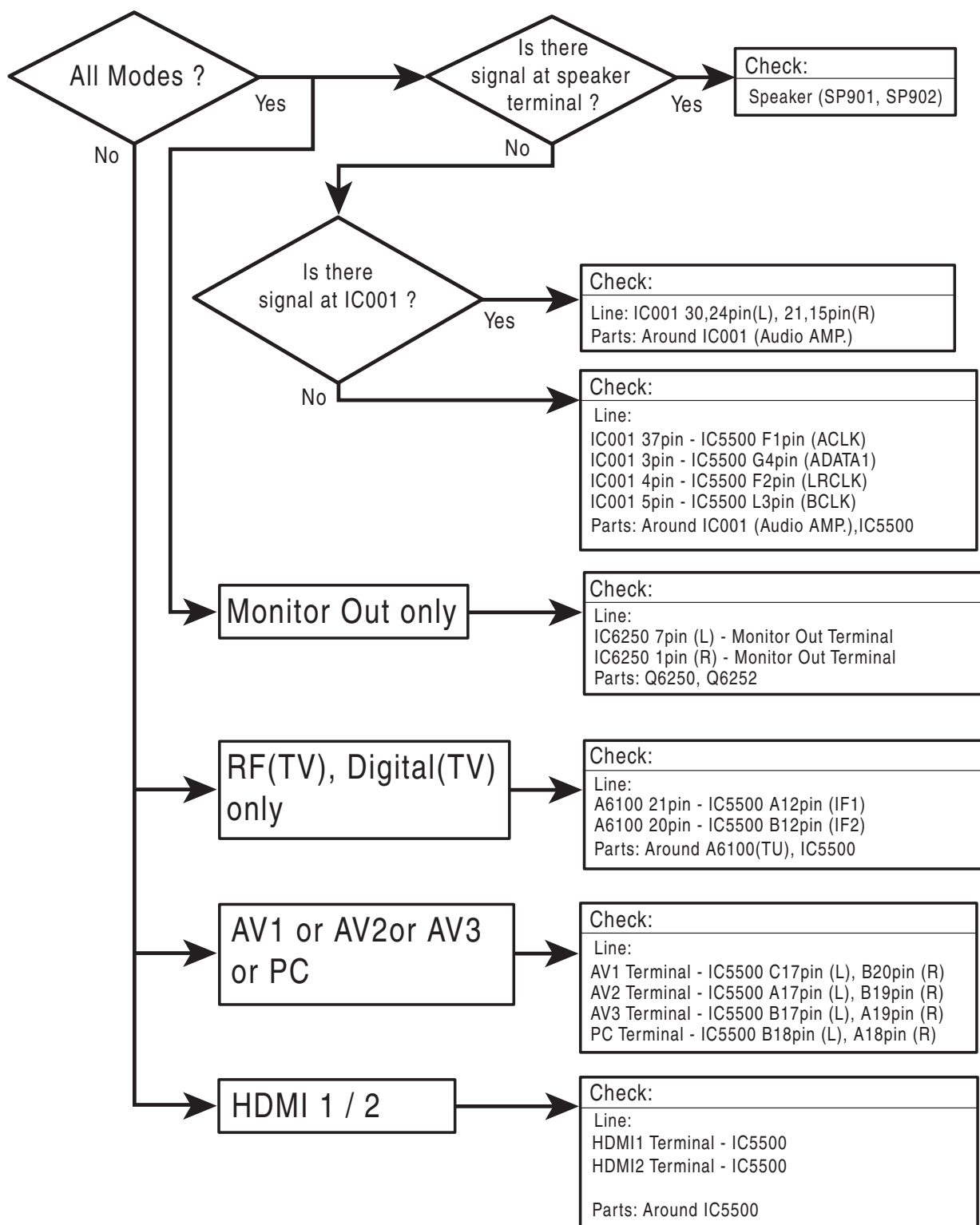
TROUBLESHOOTING FLOW CHARTS (CONT.)

NO VIDEO

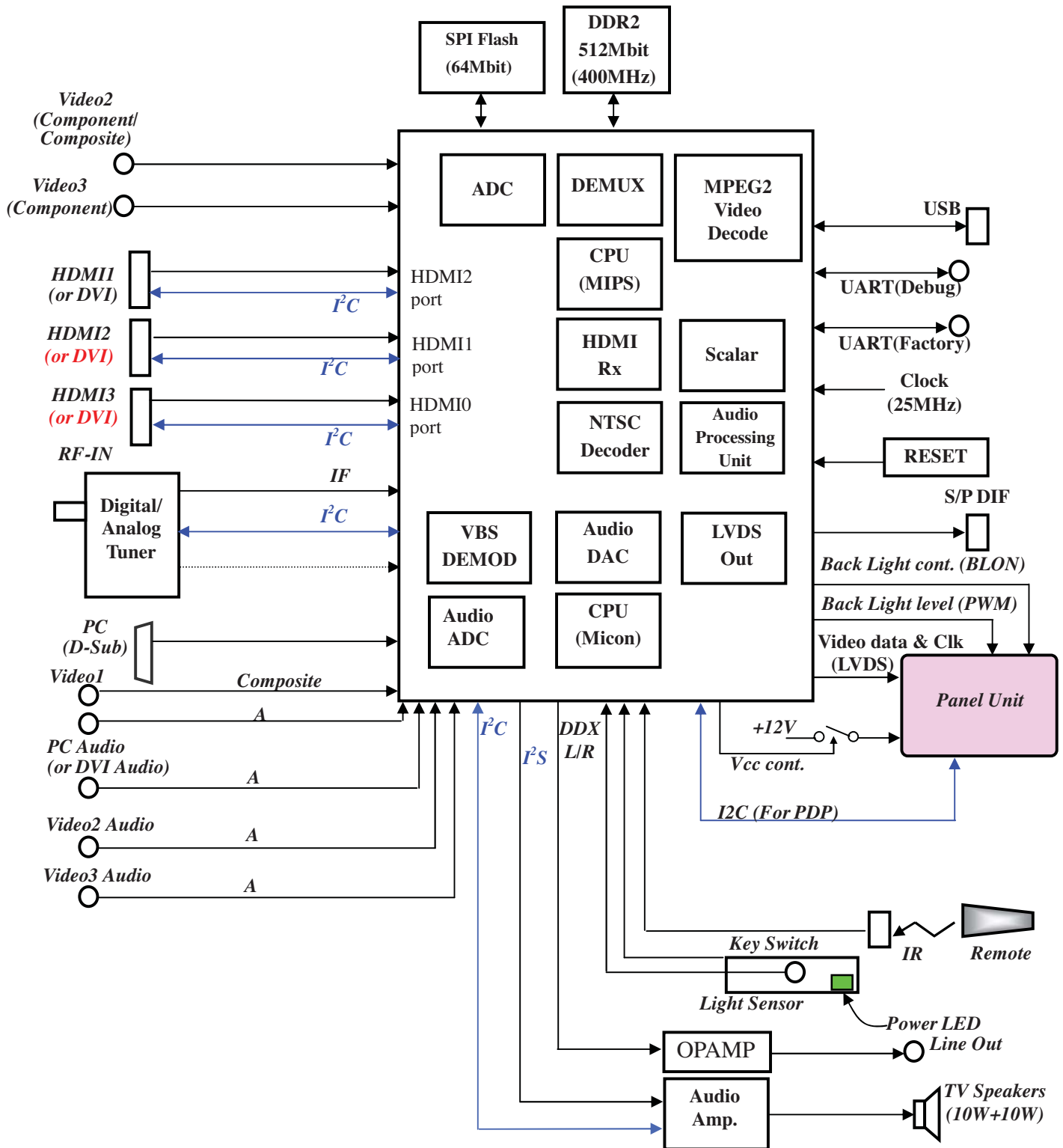


TROUBLESHOOTING FLOW CHARTS (CONT.)

NO AUDIO



MAIN IC(SIGNAL PROCESSOR) & PERIPHERICALS



SCHEMATIC NOTES

NOTES ON SCHEMATIC DIAGRAMS

1. All resistance values in ohms K=1,000 M=1,000,000.
2. Resistors specified with resistance value are "1/6DJ."
3. Resistors specified with type of resistor, tolerance and resistance value are "1/4."
4. Unless otherwise noted on schematic, all capacitor values less than 1 are expressed in μF (Micro Farad), and the values more than 1 are in pF.
5. All capacitors are 50 WV rating unless otherwise noted.
6. Unless otherwise noted on schematic, voltage reading taken with VOM from point indicated to chassis ground. Voltage reading taken using color-bar signal VHF channel 5, all controls at normal. Line voltage at 120 volts. Some voltages may vary with signal strength.
7. Waveforms were taken with color-bar signal and controls set for normal picture. Waveforms marked with an * may vary with signal strength.
8. The Symbol  indicates a fusible resistor, which protects the circuit from possible short circuits.
9. Parts enclosed with  are related with X-radiation.
10. Isolation border line.  Cold Side  Hot Side
11. Schematic part location numbers may not always match the schematic symbols.
The schematic symbols and part descriptions are correct and should be used.
The part descriptions will be listed under the location number in the parts list.



ELECTROSTATICALLY SENSITIVE DEVICES

Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.

SERVICE NOTES:

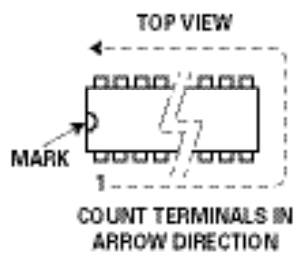
1. When replacing parts on circuit boards, clamp the lead wires to terminals before soldering.
2. When replacing high wattage resistors on circuit board, keep the resistor body 10 mm (3/8) from circuit board.
3. Keep wires away from high voltage and high temperature components.

PRODUCT SAFETY NOTICE

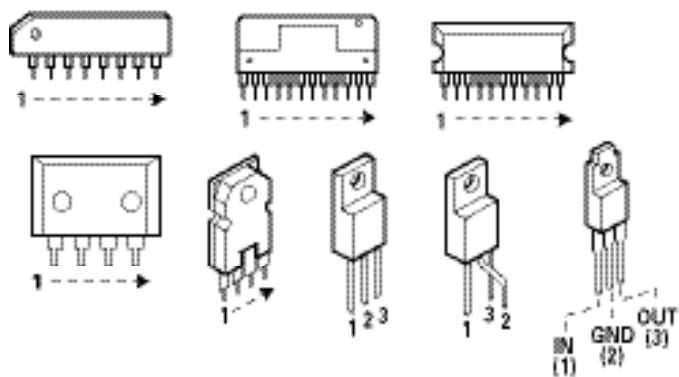
THE COMPONENTS DESIGNATED BY A  ON THIS SCHEMATIC DIAGRAM DESIGNATE COMPONENTS WHOSE VALUES ARE OF SPECIAL SIGNIFICANCE TO PRODUCT SAFETY. SHOULD ANY COMPONENT DESIGNATED BY A  NEED TO BE REPLACED, USE ONLY THE PART DESIGNATED IN THE PARTS LIST. DO NOT DEVIATE FROM THE RESISTANCE, WATTAGE AND VOLTAGE RATINGS SHOWN.

IC, DIODE, AND TRANSISTOR PIN LAYOUTS

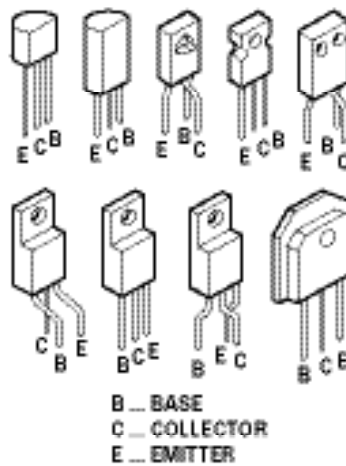
INTEGRATED CIRCUITS



SIDE VIEW

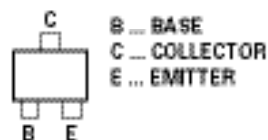


TRANSISTORS

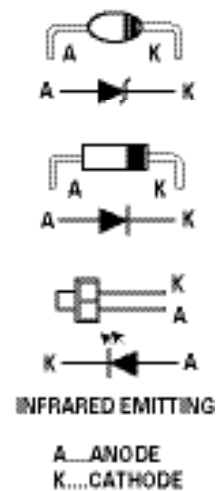


CHIP TRANSISTORS

TOP VIEW

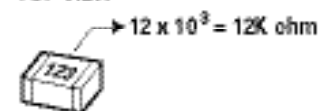


DIODES

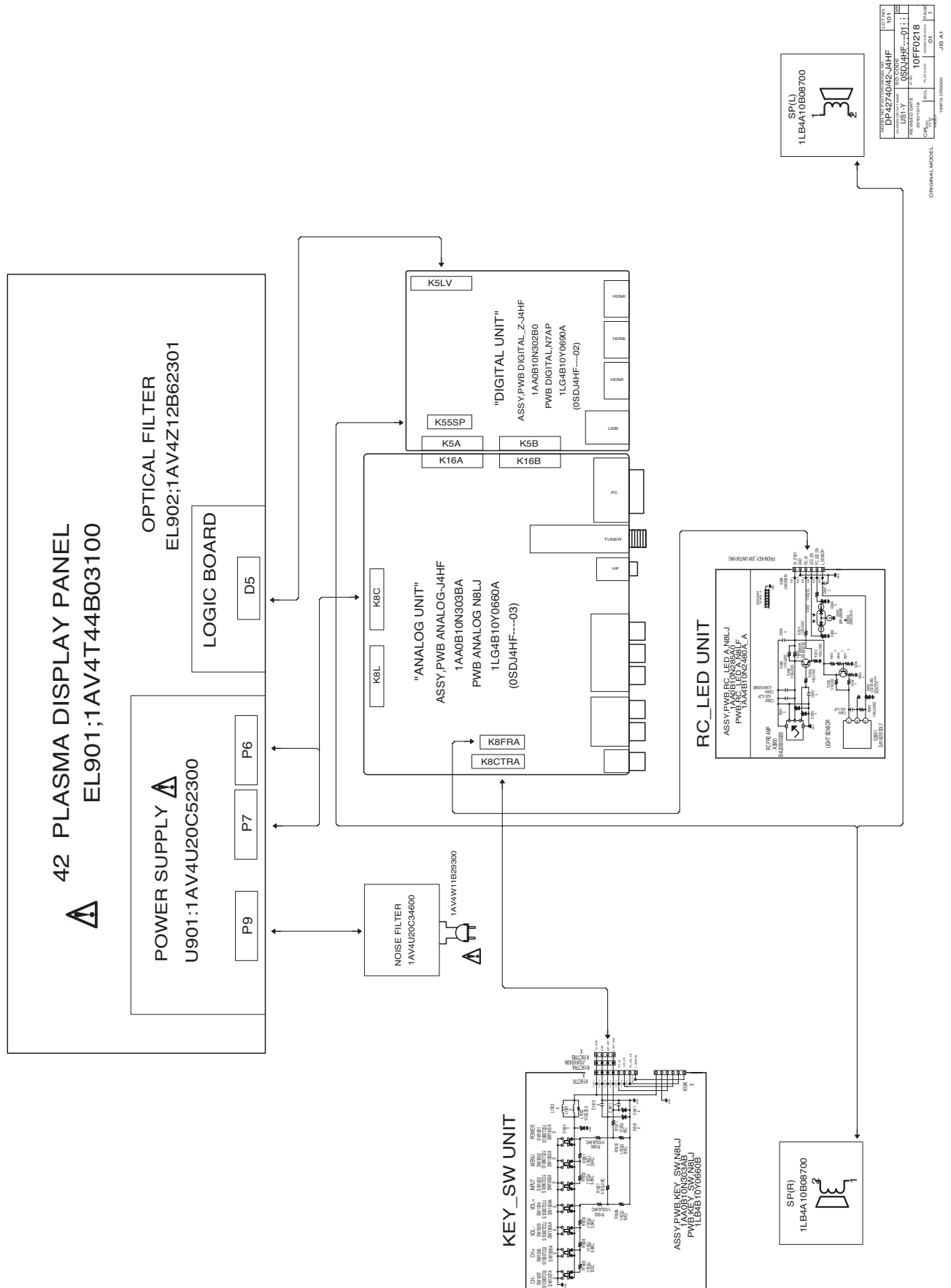


CHIP RESISTORS

TOP VIEW

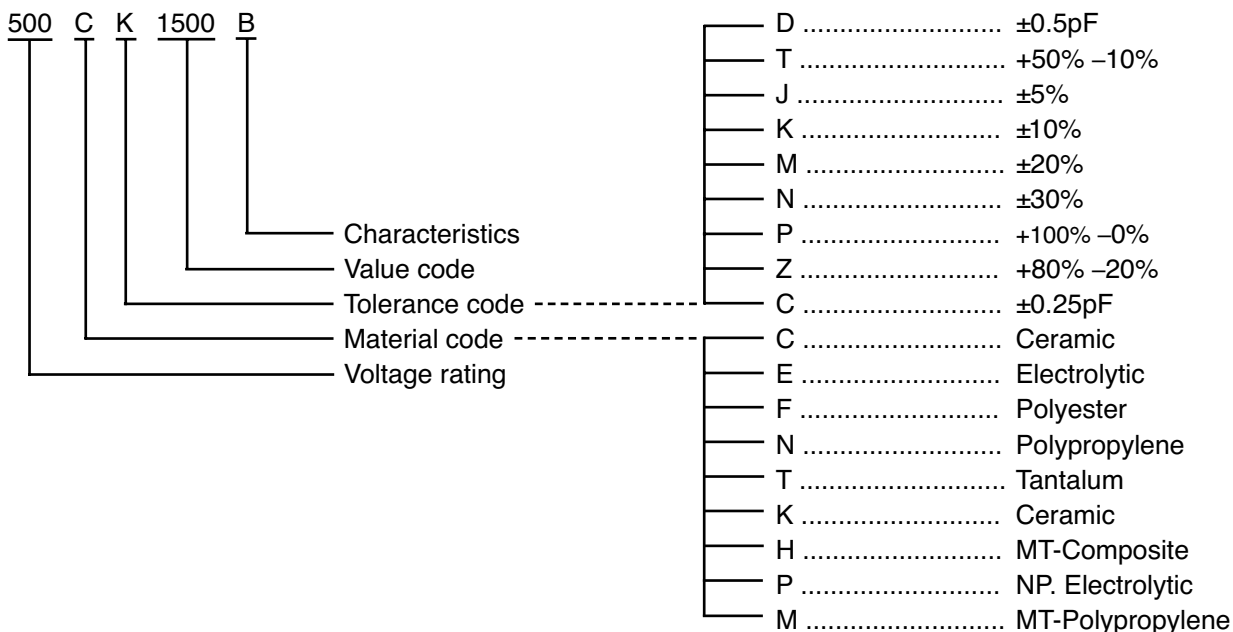


PC BOARD CONNECTIONS AND LOCATIONS

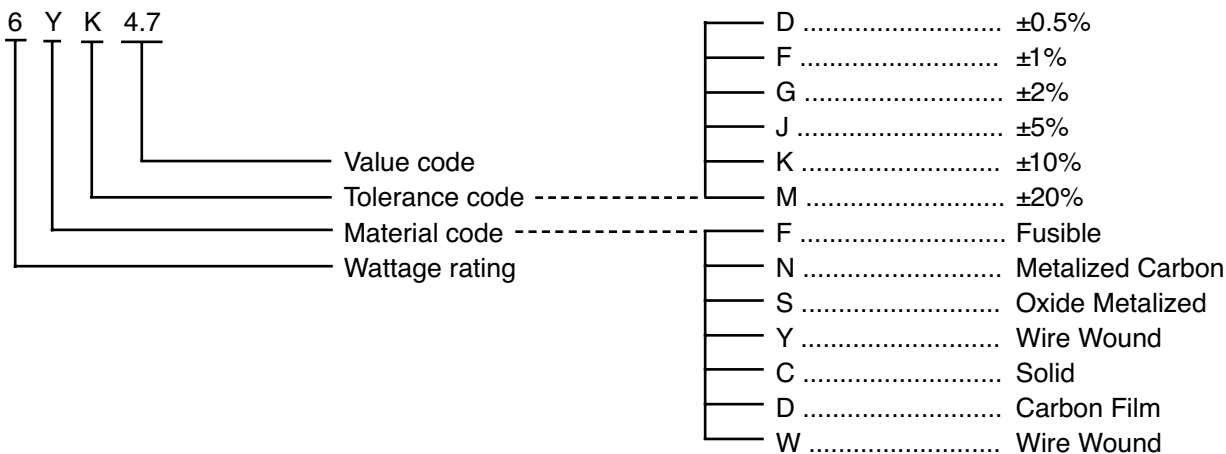


CAPACITOR AND RESISTOR CODE CHART

CAPACITOR (Example)

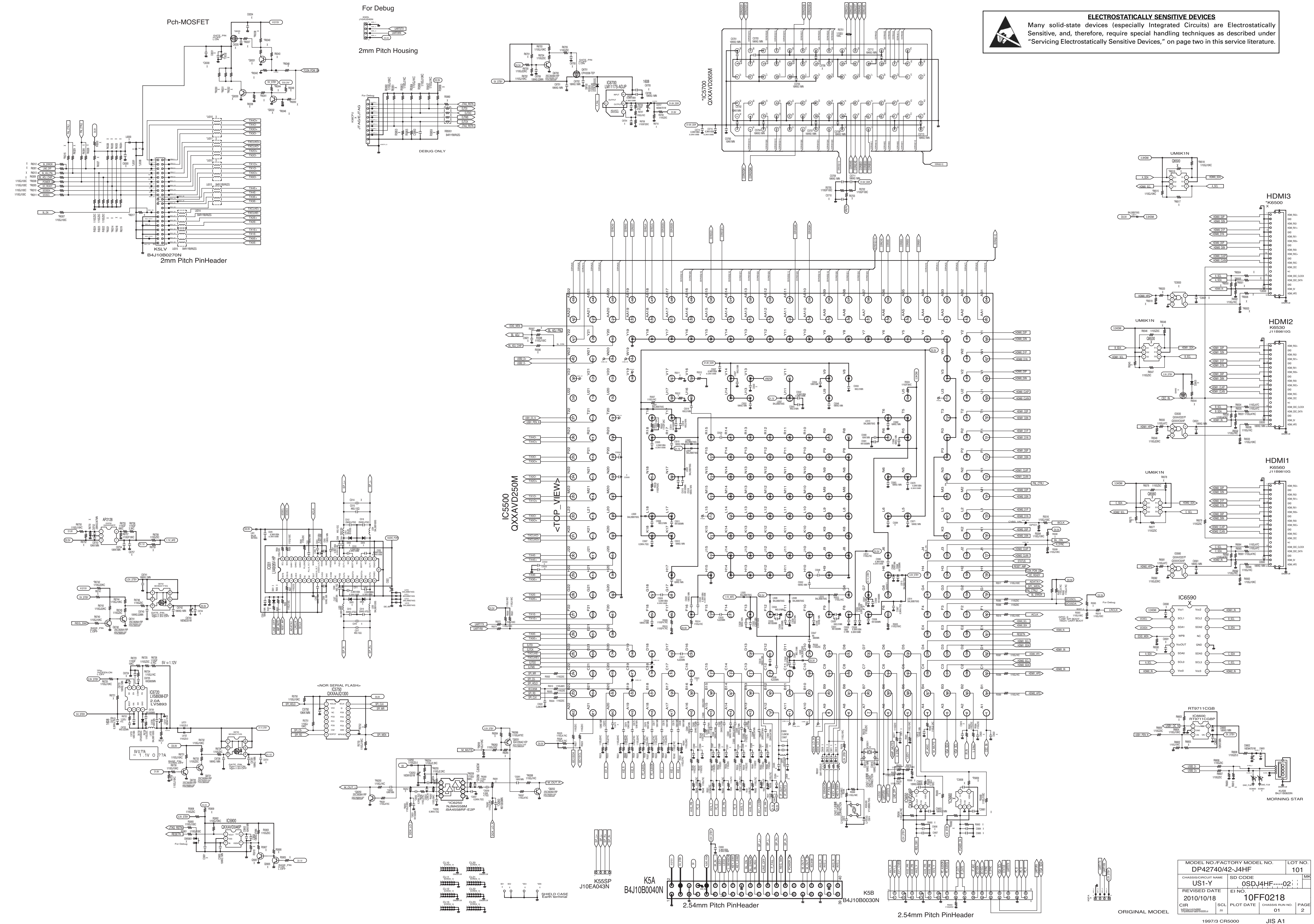


RESISTOR (Example)

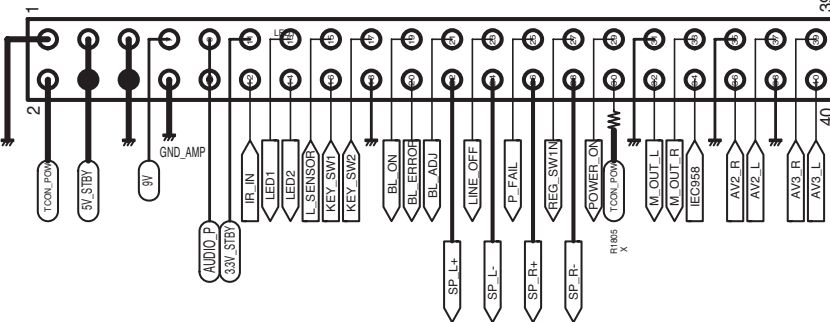


For parts or service contact

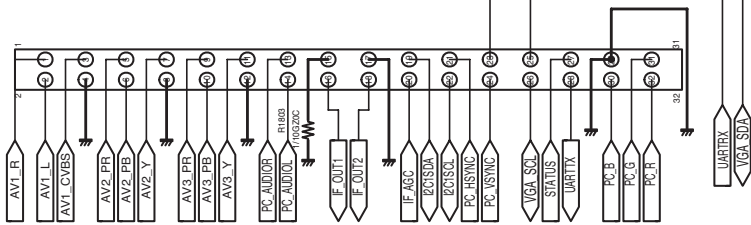
Sanyo Manufacturing Corporation
P.O. Box 2000
3333 Sanyo Road
Forrest City, Arkansas 72335-2000



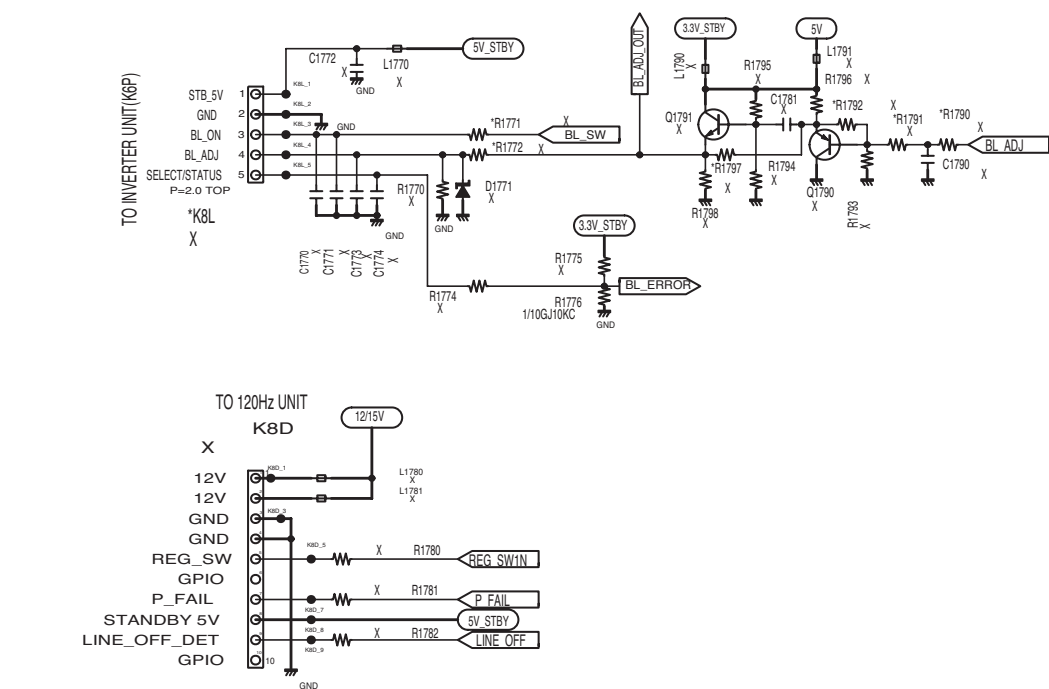
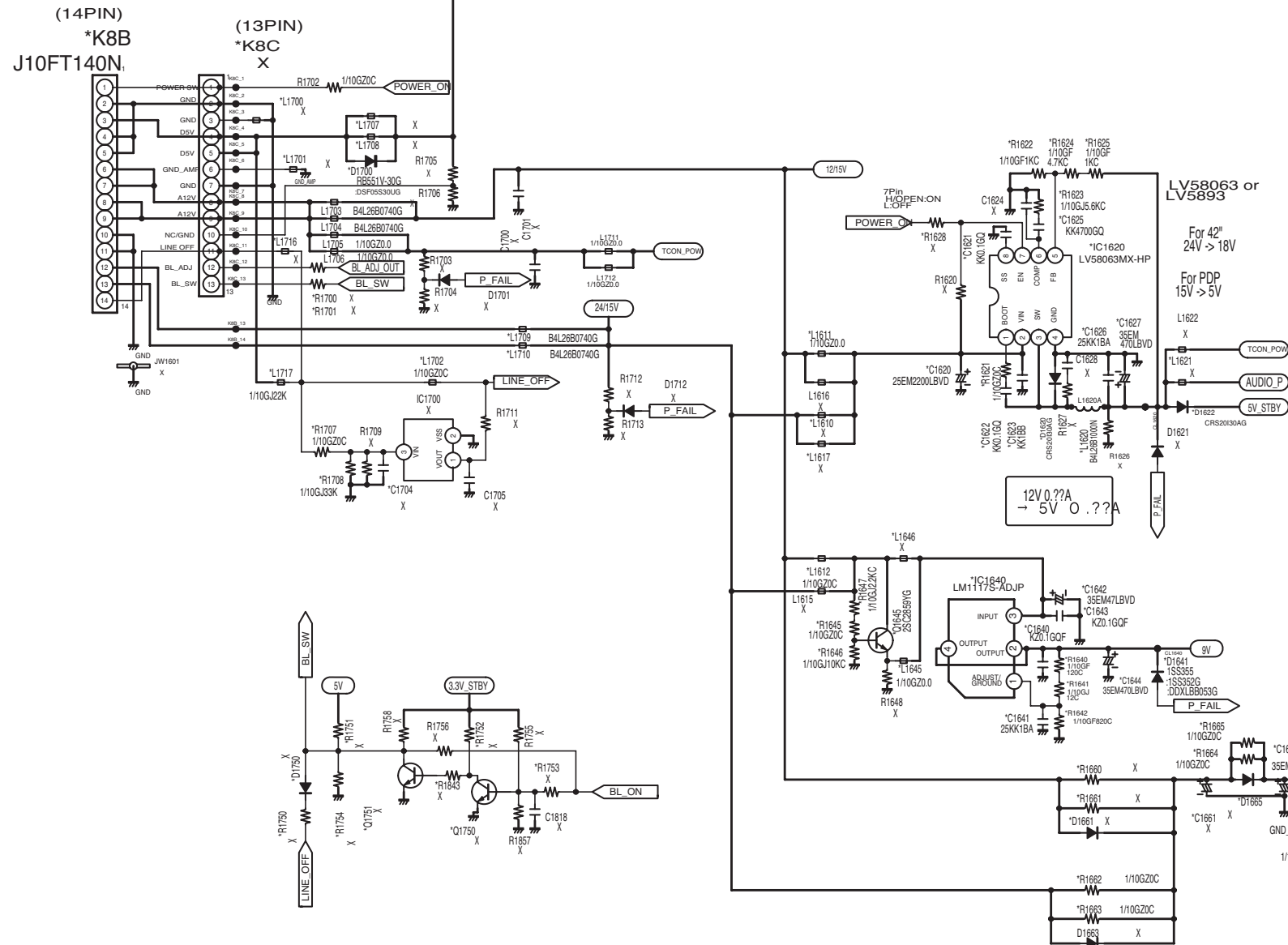
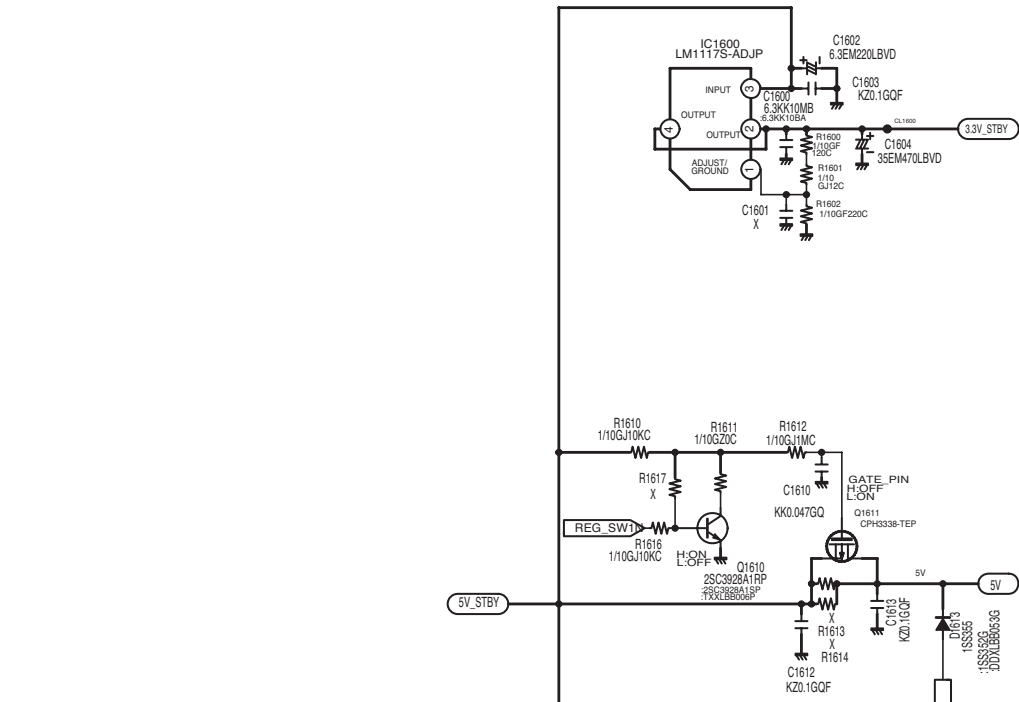
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B4J11B0500N



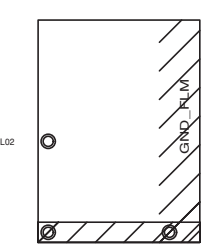
K16B
B4J11B0740N



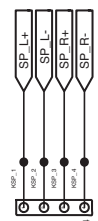
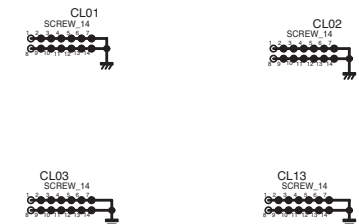
ELECTROSTATICALLY SENSITIVE DEVICES
Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.



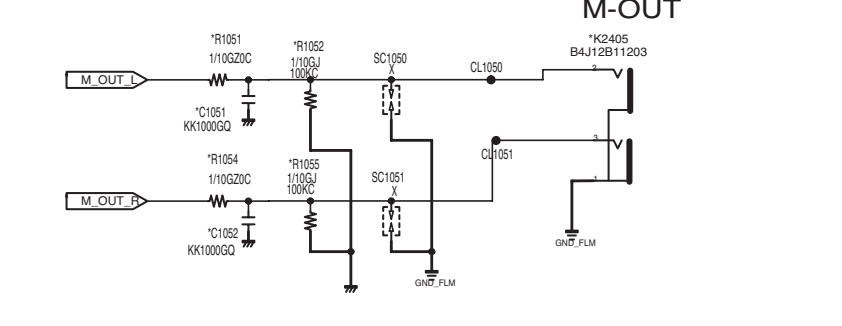
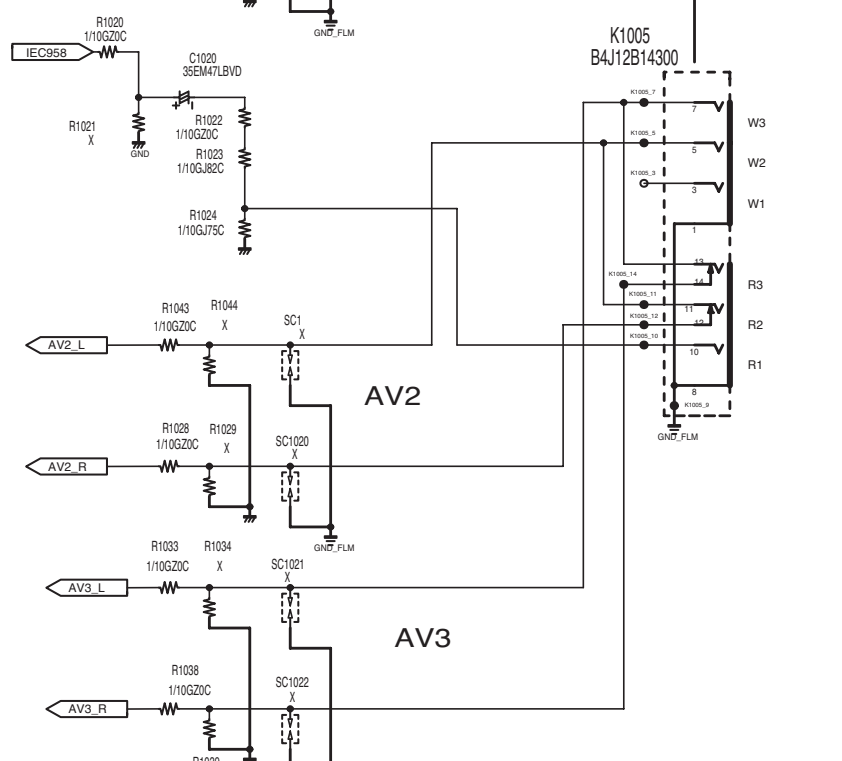
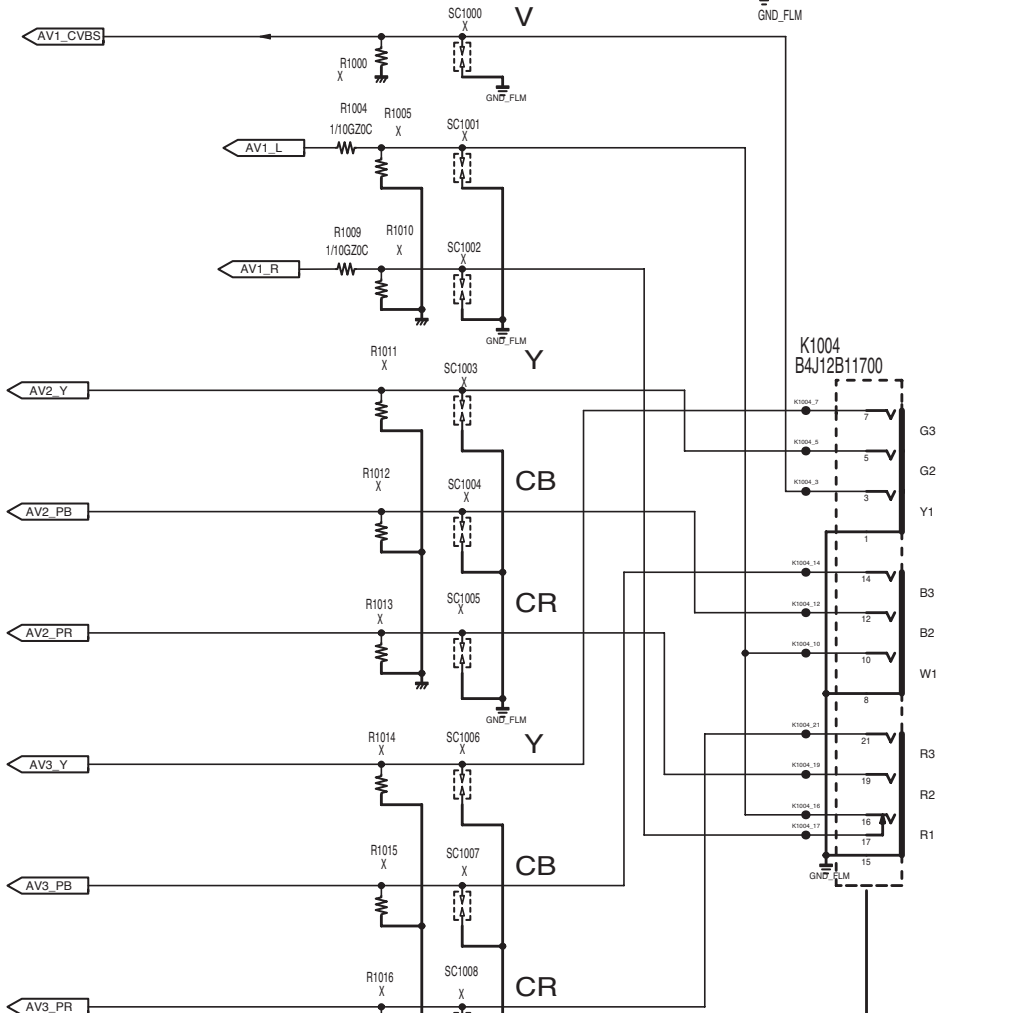
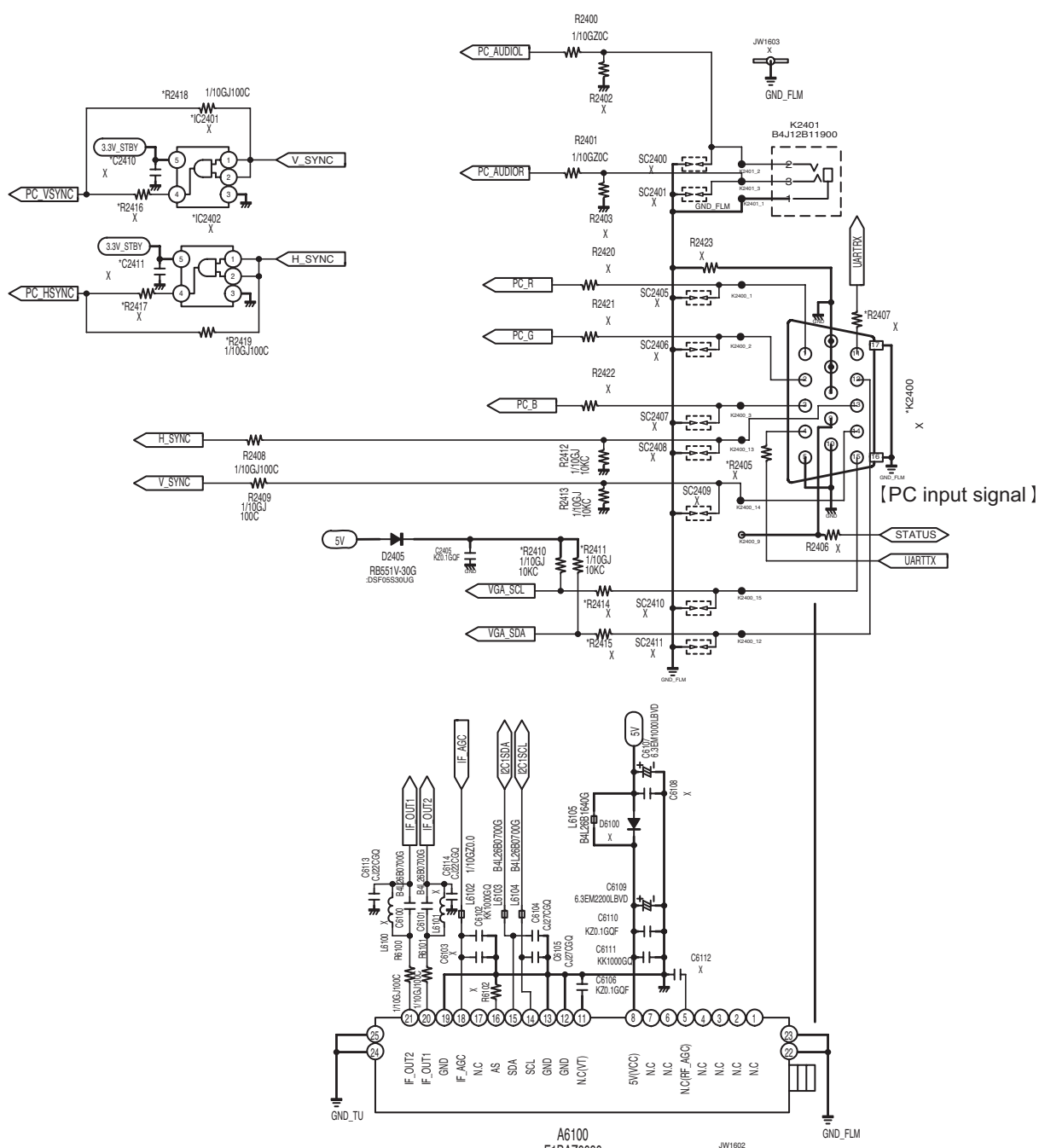
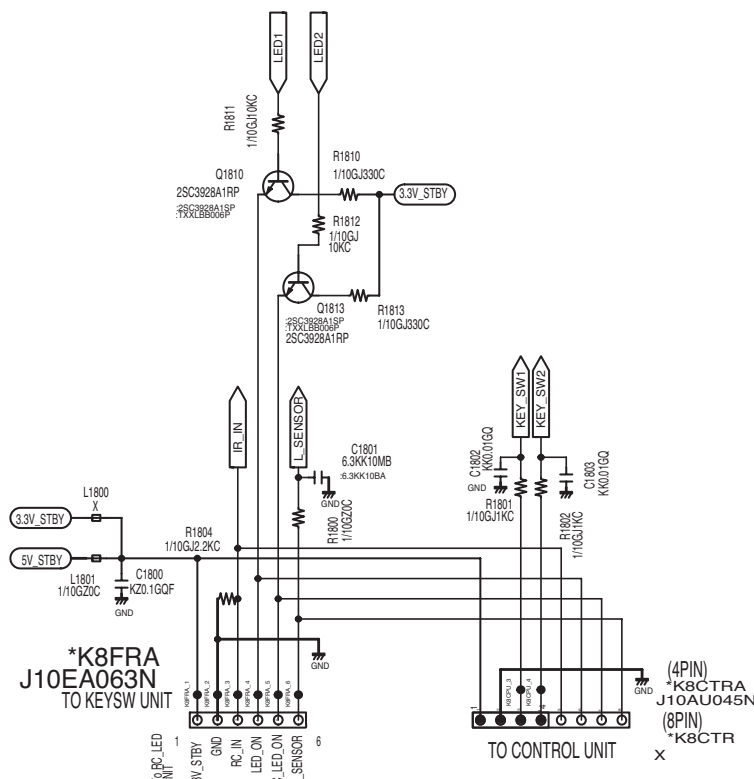
Screw position



For PWB mount on cabinet



X
KSP



1A40B10N303BA/ASSY.PWB,ANALOG-J4HF)
1LG4B10Y0660A(PWB,ANALOG-N8LJ)

ORIGINAL MODEL

MODEL NO./FACTORY MODEL NO.	LOT NO.
DP42740/42-J4HF	101
CHASSIS/PCB NAME	SD CODE
US1-Y	OSDJ4HF---03
REVISID DATE	EN NO.
2010/10/18	10FF0218
CIR	SCL
1.0	1.0
PLOT DATE	CHASSIS RUN NO.
	01
PAGE	3

1997/3 CR5000

JIS A1